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中国首次试采海底可燃冰成功 中集“蓝鲸1号”承担重任

中集天达斩获上海浦东机场3亿订单

中集集装箱生产全面使用水性漆工艺

中集模块化39周交付英国Trafford第四代洲际智选假日酒店

2017年07月 总第218期

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卷首语

2017年，中集集团即将迎来投产35周年纪念日。回顾2017年上半年，全球经济景气度回升，欧美发达经济体的经贸活动明显增强，而中国继续推行供给侧结构性改革，经济运行表现稳中向好。

受惠于良好的宏观经济环境及全球航运业回暖，中集集团于2017年上半年保持稳健发展态势，通过资源整合，优化管理和技术创新积极应对宏观经济变化，为股东、客户、员工交上了一份来之不易的答卷。

上半年，河北省省长许勤会见中集集团CEO兼总裁麦伯良，并表示欢迎中集参加雄安新区从头到尾的建设，将全力支持中集在河北发展；菲律宾总统杜特尔特在北京“一带一路”国际合作高峰论坛期间，接见了中集集团CEO兼总裁麦伯良，双方就中集在菲律宾的能源、电力供应以及投资问题交换了意见，并达成了初步共识；中集集装箱生产由溶剂型油漆全面切换为水性漆进行涂装施工，积极承担行业领导者的社会责任，为环保事业贡献自己的力量；中集天达中标迄今为止国内登机桥市场单一最大订单——上海浦东机场登机桥订单；中集模块化建筑39周落成英国Trafford第四代洲际智选假日酒店，刷新了洲际集团最快的项目竣工时间。

令人鼓舞的是，2017年5月18日，在南海神狐海域，中国首次试采海域可燃冰成功。而承担此次国家重大战略任务的最核心装备，全球最先进超深水双钻塔半潜式钻井平台——“蓝鲸1号”是由中集集团旗下的中集来福士自主设计建造。

2017下半年，我们还将持续改善，不断探索多元化产业协同之道，积极革新商业模式，推进“转型升级，有质增长”的步伐，践行“成长你我共享，未来一路同行”的理念，与您共同迈向新里程！

《今日中集》编辑部

中集集团一季度营收同比增四成 实现漂亮开局

集装箱业务走出去年低谷 营收同比增长近150%

2017年中国一季度GDP同比增长6.9%，创近六个季度以来新高，实现良好开局。受惠于良好的宏观经济环境及全球航运业回暖，中集集团今日公布的2017年一季度报告也向外传达了喜人形势。该集团业绩延续去年四季度以来的增长态势，一季度实现营收约147亿，同比增长超过四成，其中净利润实现5.1亿，同比增长约24%。中集的两个最大业务板块即集装箱业务及道路运输车辆业务增速迅猛，集装箱营收同比增长近150%，道路运输车辆同比增长近40%。其他业务如天然气重卡等业务增幅较大，能化及液态食品装备、物流、空港、金融等业务稳步增长。

中集集团相关负责人分析，中集集团的主要业务与全球宏观经济环境关系密切，2017年一季度，全球经济景气度回升，欧美发达经济体的经贸活动明显增强，而中国继续推行供给侧结构改革，经济运行表现稳中向好，这些都有助于为全球物流与能源行业提供装备及服务的中集集团实现一个漂亮开局。

集装箱、车辆两个最大业务板块表现抢眼

集装箱业务延续去年四季度的回暖趋势，干货集装箱的价格一季度已经从去年年初的1200-1300美元/TEU（标准箱），逐步涨到2017年一季度的1800-1850美元/TEU，目前已突破2200美元/TEU。同时，全面实施水性涂料替代油性涂料的集装箱制造行业自律公约从4月1日开始生效，集装箱成本进

一步增加，也在一定程度上推动需求提前释放。一季度中集集装箱业务营收实现约53亿，同比增长148.79%，其中普通干货箱销量超过29万TEU，同比大增265.78%，冷藏箱基本保持稳定，销量约为1.44万TEU。据业内预测，今年全年全球的集装箱需求量将预计从2016年130万TEU上升至2017年200万TEU左右。各大证券机构均对2016年集装箱市场表示看好。中集集团的集装箱已经连续22年稳居全球第一，是全球唯一能够提供全系列300多种类型集装箱产品的企业，其全球市场份额超过50%，中集一季度的表现一定程度上印证了上述预测。

2016年以147亿营收跃居中集集团第一大板块的道路运输车辆，在2017年第一季度表现仍然不错，以41.3亿的营收继续实现增长，增速达39.57%。车辆业务近几年加大国外战略布局，注重拓展各大洲国际业务，以全球相对均衡发展的策略平抑地区风险，并

抓取各地机遇。一季度去年的利润大区北美市场继续平稳发展，去年表现一般的亚、澳、非洲等新兴市场需求复苏，欧洲市场稳步上升，新收购的英国Retlan公司助力收入增长。同时，国内重卡市场的增长也带动了该板块的建筑工程车辆及物流车辆的业务增长。一季度，以“半挂车”车型为主的中集道路运输车辆业务板块累计销量3.5万台，同比增长48.94%。

能源、空港等业务板块稳定增长

第一季度，受惠于国际油价有所回升行业去产能后的市场逐步回暖，中集第三大业务板块即能源、化工及液态食品装备业务的行业市场需求有所改善，订单量同比增长。该板块业务实现销售收入人民币22.44亿元，同比上升11.65%。

中集旗下另一大板块空港装备继续稳步增长，登机桥业务稳步发展，中集2013年收购的德国百年消防车企业齐

格勒集团由于德国外市场的拓展增效明显，该公司还在欧洲新设备库，更好的开辟欧洲市场。该板块的自动化物流业务目前已获取自动分拣技术，正加速整合消化；立体停车业务发展态势良好，未来的发展上立体车库业务将更好的聚焦于国内深圳市场。空港装备业务一季度实现营业收入人民币4.91亿元，同比上升4.23%。

中集旗下的重卡业务延续2016年稳定增长的市场走势，其中天然气重卡随着政策的利好及成本优势的凸显，增幅更为迅猛。一季度重卡产品销量为1,727台，较去年同期增68%；其中天然气重卡产品销量434台，同比增长151%；实现营业收入人民币5.06亿元，同比增长66.55%。

此外，中集旗下物流服务业务实现营业收入人民币16.55亿元，同比上升2.50%。中集主要服务于各产业发展的金融业务实现营业收入人民币5.44亿

元，同比上升3.73%，地产方面也在积极推进前海及太子湾项目。

受累于全球海工市场的寒冬状态，海工板块业务形势仍然严峻。不过海工板块在技术突破和多业务拓展上也有可圈可点的表现。2月13日，中集来福士海洋工程有限公司顺利完成了D90超深水半潜式钻井平台BLUEWHALE I（蓝鲸1号）的命名和交付，该平台3月已抵达南海作业区域开始国家可燃冰勘探租约；2月24日，中集来福士为中海油能源发展股份有限公司承建的海洋石油162平台按期完成交付。一季度，中集来福士共新增2个修船项目订单，2个旅游观光船订单。此外，中集来福士还交付了海洋牧场项目，拓展挪威深海养殖业务、海上发电船业务，与挪威方已签下2.5亿美元的意向性订单。

一季度实现营收约

147 亿

同比增长

40.95%

集装箱营收同比增长近

150%

道路运输车辆同比增长近

40%



菲律宾总统杜特尔特接见 中集集团CEO兼总裁麦伯良

2017年5月14日，北京，“一带一路”国际合作高峰论坛期间，菲律宾总统杜特尔特接见了中集集团CEO兼总裁麦伯良。双方就中集在菲律宾的能源、电力供应以及投资问题交换了意见，并达成了初步共识。

杜特尔特高度赞扬中国的“一带一路”倡议，并表示特别欢迎中国企业来菲投资。杜特尔特表示，自上台以来，他致力于改善人民的生活水平。目前，虽然菲律宾的环境、法律治安以及反腐工作已经得到大力改善，但菲律宾国家的基建、能源基础设施及供应能力急需完善，需要为人民做更多事情。当前的菲律宾拥有非常多的投资机会，政府也将会大力支持外来投资者，创造良好的投资环境。

麦伯良表示，中集是世界领先的物流装备以及能源装备供应商。中集将积极投身于中国的“一带一路”建设，并结合自身的产业优势，为“一带一路”沿线国家输出高品质、可信赖的装备、服务及解决方案。中集很乐意参与到菲律宾的能源和电力发展规划中，为之提供天然气供应、物流服务、岛屿LNG发电解决方案以及发展其他投资项目。中集在能源基础建设方面，尤其是在LNG领域，拥有丰富的经验优势，希望中集能帮助菲律宾更多的地区和岛屿尽快实现用电，帮助菲律宾



宾政府尽快提升人民的生活水平，为两国的友好和平，共同发展贡献力量。

据了解，菲律宾近年来正处于高速发展时期，存在较大的能源缺口。资料显示菲律宾2014年人口已突破1亿，2012-2016年GDP增速持续保持在6%以上。而菲律宾国内的能源基础薄弱，电力设备老化、供应不足、价格昂贵正困扰着能源的有效供给，因此迫切需要扩大能源供给维持良好的经济增长态势。近年来，菲律宾正积极推进清洁能源，尤其是在LNG领域的开发及应用。作为全球领先的能源装备总包供应商，中集集团旗下的中集安瑞

科以及中集海工，产品及服务覆盖天然气全产业链，提供菲律宾LNG从上游资源到下游运营的整体解决方案。

会谈最后，杜特尔特表示高度认可中集的品牌实力，以及坦诚合作的精神，并当场表态后续会加快落实推进以上投资项目，共同为人民尽快过上幸福生活而努力。

菲律宾能源部部长、外交部部长、通讯部长及其它内阁成员，PNOC（菲律宾国家石油公司）总裁，中集集团副总裁高翔、中集来福士总裁王建中等参与接见。

河北省省长许勤会见 中集集团CEO兼总裁麦伯良

许勤：欢迎中集参加雄安新区从头到尾的建设，将全力支持中集在河北发展。

2017年5月15日，河北省省长许勤在河北省政府大楼内会见了中集集团CEO兼总裁麦伯良，双方进行了亲切友好的会谈。双方就河北省整体发展情况、雄安新区的定位和机会，中集集团在河北省的发展战略等进行了深入沟通。许勤高度肯定中集在改革开放和经济发展中做出的卓越贡献，他表示，欢迎中集参加雄安新区从头到尾的建设，并希望中集能够为河北带来创新精神和发展思路，只要符合河北省产业发展的方向，省里将全力支持中集在本省发展。麦伯良表示，河北的规划将为中集带来新的发展机遇，中集将与国家战略保持高度一致，为河北特别是雄安的经济发展贡献力量。

参与会谈的还有河北省副省长李谦、河北省政府秘书长朱浩文、河北省工业和信息化厅厅长龚晓峰、河北省发改委副主任宋立民、河北省雄安新区临时党委副书记党晓龙，以及中集集团副总裁高翔、李胤辉、张宝清等。

许勤：全力支持中集在河北发展

许勤表示，河北过去的基础非常完善，目前河北的产业结构主要以工业领域



为主，现在河北响应党中央号召进一步推进供给侧改革，进一步去产能，也迎来了很多重大机遇，特别是京津冀协同发展，河北是最受益的地区。尽管经济发展很重要，但思想和观念更重要，河北需要中集带来深圳特区“敢闯敢试敢为天下先”的创新精神，希望中集不仅带来投资和项目，更要带来创新精神和发展思路。

许勤特别强调，中央宣布确定雄安新区后，要求以世界眼光、国际标准、中国特色、高点定位来建设雄安新区，将雄安新区建设成绿色生态宜居新城区、创新驱动发展引领区、协调发展示范区、开放发展先行区，最后要贯彻落实新发展理念的创新展示区。“不改革创新是不行的，雄安新区承载的功能特别多，标准特别高。因此，欢迎中集参加雄安新区从头到尾的建设，只要符合产业发展方向的产业，省里将全力支持。”

麦伯良：为河北特别是雄安经济发展贡献力量

麦伯良表示，多年来，中集始终与国家战略保持高度一致。当前，河北的规划将为中集带来新的发展机遇。中集也将承担历史使命，积极参与，并切实为河北特别是雄安新区的经济发展贡献力量。

具体到“该如何更快、更有效地切入，并为雄安新区经济发展服务”，麦伯良表示，当前，中集除了可以提供模块化建筑、天然气装备和服务、立体停车库、消防车、垃圾车等基础设施与建设服务外，还可以把先进制造业引进来，并通过建设产业园，引进产业配套企业，来支撑雄安的产业基础。

中集集团2016年度股东大会召开



2017年6月9日，中集集团2016年度股东大会在深圳召开。会议由集团董事长、CEO兼总裁麦伯良主持，集团董事刘冲，独立董事潘承伟、潘正启、王桂燊，监事长张铭文，监事熊波，集团董事会秘书于玉群，财务管理部总经理曾邗，资金管理部总经理杨榕等部分高级管理人员出席会议。麦伯良与全国各地专程而来的股东、投资者、分析师进行了全面深入的沟通交流，问题涉及“蓝鲸1号”、土地资源、创新产业、菲律宾投资等诸多方面。

会议审议并全部通过了2016年度股票发行、利润分配、分红派息、资金募集、信用担保授权等议案，以及董事会工作、监事会工作、年度工作报告；2017年第一次股票发行、授权有效期、会计师任命等议案。

在沟通互动环节，来自各地的股东对中集的各项业务发展表示强烈关注，麦伯良表示，中集会尽最大努力保障股东的利益，并坦诚、耐心地回答了提问。

对于最近的大热点“蓝鲸1号”，麦伯良自豪地说，“蓝鲸1号”成功参与了我国可燃冰的试采，为国家、民族做出了贡献。“蓝鲸1号”是中集自主研发、设计、建造的世界一流的超深水石油钻井平台，在技术上世界领先。目前，在南海的试采工作还没有结束。虽然目前“蓝鲸1号”短期内只是保本运营，我们将继续寻求国家的政策支持。今年下半年，蓝鲸2号也将交付，中集也正在与合作者商谈合作意向。

会议中，股东就中集的土地开发进展情况频频提问，麦伯良说，目前，深

圳前海土地项目的议案已经提交至新一届深圳市政府，中集与深圳市政府正在密切互动；深圳蛇口太子湾的土地项目已经达成协议，目前正在走后续的审批程序。同时，上海宝山的土地项目进展顺利，有望近期挂牌。

有股东问及中集新兴业务的动向，麦伯良回答，中集目前正在筹划一些新兴业务。比如模块化建筑，相信将来5到10年，这一业务将会大有可为；此外，中集的立体大巴自动停车库业务，为全球首创，未来将会为全球一线城市解决大巴停车的难题；中集电商，牢牢把握住北上广深占有率先的位置，也正如火如荼地发展。

关于受到菲律宾总统接见的消息，麦伯良回应，菲律宾是“千岛之国”，电力非常短缺，目前还有一半左右的人没用上电。中集能提供世界领先的LNG发电解决方案，这一点，已经得到了菲律宾的高度认可。但是，这些项目需要先通过政府之间牵线对接，才能有效开展和规避风险。目前，菲律宾政府正在积极推动这一事项。麦伯良强调，积极参与国家的重大发展计划，中集责无旁贷，包括一带一路、粤港澳大湾区、雄安新区、深圳创新城市等。

最后，麦伯良总结，感谢股东耐心持有中集的股票，并一直支持中集的发展。中集未来将更加注重“有质量增长”的发展理念，积极加快转型升级步伐，力争为股东带来更大回报。“我会一直陪伴大家！”麦伯良说道。

中集集团首支市场化运作的VC基金正式落地

2017年6月14日，由中集集团与深圳市睿德信投资集团（以下简称“睿德信”）联合发起设立的“横琴中集睿德信创新创业投资基金”（以下简称“VC基金”或“本基金”）——VC基金成立大会在中集研发中心举行，集团副总裁吴发沛、于玉群，总裁助理秦钢，战略发展部总经理陶宽，睿德信董事长冯清华，董事总经理王家砚，中集各板块出资人代表等出席会议。

本次发起设立的VC基金，将围绕中集现有产业及产业链上下游，以及外部相关的各类新兴产业机会进行投资布局，促进中集集团与所投产业之间的协同与资源嫁接，扶持创业项目并把握新兴行业快速增长的机会，实现中集集团、本基金以及创业项目的利益最大化。主要投资领域为快速增长的高端装备制造及新技术行业领域，优先投资智慧物流、工业自动化及机器

人、工业互联网、环保新材料等领域，原则上主要投资技术创新和模式创新的项目。

本基金是中集集团首支完全市场化运作的VC基金，在项目搜寻、投资、内部管理、投研团队的激励与约束、投决机制、收益分配、退出等方面，按市场通行规则运行与管理。基金采用平层基金架构，中集集团作为联合管理人（CO-GP）与睿德信共同管理基金的投资与决策，充分体现为中集产业链服务的特色。

据VC基金主要策划者和发起人、战略发展部总经理陶宽介绍，除了完全市场化运作外，本基金面向中集内部的一大创新是：充分调动和挖掘集团及各板块的投资资源为VC基金提供项目搜寻、投资、投后管理等各方面的服务与配合。

集团副总裁吴发沛指出：希望VC基金成为集团内外部创新资源、资金对接的平台；中集在所专注的行业里涉及到产业链里上下游众多的资源，各产业在业务推进过程中能将一些有优势的项目资源变成VC基金可投资的机会。同时VC基金也可以将集团内部的项目向外部天使机构进行推荐，促进集团内部创业项目的成长。



中集集装箱生产全面使用水性漆工艺

2017年4月1日，对于中国集装箱行业是一个特殊并载入史册的日子，因为从这一天起，中国集装箱制造业由溶剂型油漆全面切换为水性漆进行涂装施工。据悉，中集集装箱板块从2015年开始，投入了大量的人力、物力、财力，全面推进各工厂的水性漆技改工作。

随着经济的发展，国家对环保问题越来越重视，“十三五”期间，我国实行工业涂装过程挥发性有机物(VOCs)排放总量控制，集装箱制造业作为重点控制行业之一，面临巨大的环保压力。2016年3月22日，由中集集团牵头，在中国集装箱行业协会的统一组织下，全行业积极响应国家对大气污染防治的法律要求，“共同承诺、

共同行动”，签署了《中国集装箱行业协会 VOCs 治理自律公约》，核心内容体现在“三个统一”：统一“禁油推水”、统一相关的技术标准规范、统一接受违约监管与处置，并提出全面推行水性漆的最后期限为2017年4月1日。“公约”采取源头控制手段，推广水性涂料的全面使用，大幅降低了集装箱制造行业 VOCs 的排放，开启了集装箱行业的绿色生产进程。目前，中集集装箱板块各工厂已全部完成水性漆涂装线的技改工作，确保了2017年4月1日起，各工厂均能常态化、稳定施工水性漆。

水性漆用水代替天那水作为涂料的溶剂，节省了大量资源，降低了对大气的污染，其产生的 VOCs 比油漆减少了

80%，具有极好的环保效益。水性漆基本不含铜、铬等重金属，且消除了溶剂型油漆中的甲苯、二甲苯，大幅改善了作业环境条件，降低了对一线员工的身体危害，职业病发生率能够得到有效抑制。自水性漆切换以来，一线员工普遍反映施工现场刺激性气味明显减少，生产积极性显著提升；周边居民也反映，改用水性漆后几乎闻不到溶剂气味了，生活质量有了良好的改善。此外，水性漆也消除了施工时发生火灾或者爆炸的危险性，安全系数比油漆高很多。

未来，中集集团会坚定围绕“环保”和“禁油推水”的理念，全面开展工作，为中国的环保事业贡献力量。



中集车辆与镇江市政府签署战略合作协议



2017年6月8日，江苏省镇江市市长张叶飞一行到访中集车辆集团总部，就车辆集团在镇江市京口区、高新区的投资项目进行深入洽谈，并与车辆集团董事总经理李贵平现场签署了战略合作协议，将双方合作级别提升至镇江市层面。

李贵平介绍了中集集团以及车辆集团的发展历史，并表示，车辆集团近两年投资的宝京项目、神行太保、飞雁计划等6个项目均属于高科技、创新类项目，依托产业实体，聚焦智能零部件开发。此外，正在筹备中的半挂车分时租赁，将涉猎车后市场、分销、电商等领域，与专业机构合作，借助

互联网+的方式，延伸产业链至服务端。未来，车辆集团“挂车制造、智能零部件、挂车服务”三大业务布局中，后者将优先考虑镇江。镇江市地处江浙一带，交通便利、高校环伺，相对宜居的地理环境更适宜人才的引进和企业的长远发展。镇江市目前正在筹建的全国物流中心与中集车辆创新业务在战略层面也高度吻合。

张叶飞表示，镇江市社会经济发展正处于稳定上升阶段，为企业提供最一流的对接服务是市、区各级政府的核心工作之一。与车辆集团业务密切相关的车管所刚刚获得2016年度“全国工人先锋号”荣誉。尤其是2014年10

月成立的镇江市国家级高新区，在产业扶持上向中关村看齐，能更好的对接当下的全新商业模式。通过此次双方洽谈签约，希望与车辆集团在更高层次、更广范围内进行更多实质性的合作。

会上，镇江市委常委、京口区委书记裔玉乾，镇江高新区管委会主任严竹波，镇江市交通运输局局长丁锋，镇江市公安局副局长范存建代表各单位分别表态，积极做好配套服务工作，全力支持中集车辆集团在镇江的投资项目。

中集车辆承运的C919大型客机 在上海浦东机场成功首飞

2017年5月5日，承载无数国人大飞机梦想的C919大型客机在上海浦东机场成功首飞。据公开报道，国内有22个省市、200多家企业、36所高校参与了C919研制，16家材料制造商和54家标准件制造商成为该项目的供应商或潜在供应商。中集集团虽未参与制造环节，不过，C919机身是由中集通华公司从南昌运到上海总装基地，而为了适应大型机身装载的运输，中集特别定制了运输箱体和机身运输车，“中集制造”在航空航天领域展现了物流及制造装备方面的产品优势。

服务航空航天收获专利

国产C919是中国继运-10后自主设计并且研制的第二种国产大型客机。不过，C919客机的机身生产和总装并不在同一工厂完成的。因此，C919需要特定的运输装备，将机身运送到指定的总装工厂。

作为一种特殊的运送物资，C919对运输的要求也很高。“在机身制造工厂装载时，需要吊装，这就要求此时运输车辆箱体可以做到开放式敞开，方便将机身吊装进运输车辆。同时，运输过程中要求箱体为密闭式容器，保证防水、防尘等要求，以有效保护飞机机身。”据中集相关人员介绍，由

于飞机机身体积庞大，机身的一圈为圆形，在运输过程中可能会发生滚动，容易损坏飞机、影响运输安全，所以一般的运输车辆不能满足其运输要求。

“为解决飞机机身运输的问题，中集通华研发出一种适应大型机身装载的运输车，并申请了《一种飞机机身运输车》的实用新型专利。”

据悉，C919大飞机并非中集集团服务中国航天事业的首次。早在2007年，南通中集特箱公司就收到中国航天科技集团的咨询，调研集装箱运输火箭方案的可行性，配合国家新一代重型火箭航天发射基地。为此，南通中集特箱投入了“世界最大集装箱”的首创科研，并随后研制出了“CZ-5长征

五号火箭运输装备”，成为唯一进入到航天集团大火箭运输系统的特种运输设备制造厂家，而且该产品的相关技术还获得了一项实用新型专利。

向集装箱智能化方向转变

2016年，全球航运业务低迷，中集的海运集装箱业务也陷入持续下滑。然而中集集装箱业务中的冷藏箱、铁路箱、特种箱却开始崛起，成为新的利润增长点。“集装箱最大的成功在于其产品的标准化以及由此建立的一整套运输体系，能够让一个载重几十吨的庞然大物实现标准化，并且以此为基础逐步实现全球范围内的船舶、港口、航线、公路、中转站、桥梁、隧道、多式联运相配套

的物流系统。”中集集团集装业务板块相关负责人表示，“中集集团通过自身的努力和优势成为了全球最大的集装箱制造企业，在干货集装箱、冷藏集装箱及罐式集装箱等其他各类特种集装箱制造上占据最大的市场份额，并一直保持世界第一。”

该负责人表示，在海运集装箱需求乏力的背景下，服务于军工、煤炭、粮食等方面特种箱的需求正以近30%的速度增长，成为利润新的增长点。他表示，为实现进一步转型升级，中集集装箱板块目前正向“集装箱+服务+金融”以及集装箱智能化方向转变。



中集车辆向泰国 TBL公司交付创新型侧帘车

近日，中集车辆（泰国）公司（以下简称：泰国中集）给泰国排名第一的综合企业集团 ThaiBev 交付了 14 台创新型侧帘车，这家公司也是东南亚地区的最大的酒精和非酒精饮料生产商，接收这批车的是其旗下企业，即泰国最大的自营运输公司 Thai Beverage Logistics（以下简称：TBL）。

TBL 拥有丰富的饮料产品种类，分销点众多，使用标准侧帘车运输，不仅运输量受限而且固货困难，装卸效率低，

因此必须采用大小不一的非标托盘混合运输。为达到最大营运效率，TBL 要求设计一款达到极限内宽 2.5M（泰国法规规定的总宽不能超过 2.55M）的欧洲快速开合侧帘“quick slide”式，还要满足侧、后门同时能上货要求的创新侧帘车。

根据客户装卸货的操作特点，泰国中集设计了一款独特的中间滑动中立柱，可向中间滑动，自由调节，满足不同次侧面或后门装卸的需要。而且

相比标准滑动立柱，操作时间更快，更方便叉车的作业，相当于无立柱阻隔。在欧洲“quick slide”标准设计基础上取消了侧立柱，达到极限超大内宽，可以装进 26 个非标托盘。（普通只能装 26 个标准托盘或 24 个非标托盘）且自重轻于标准 26 托盘侧帘车。不但操作方便快捷，保留了欧洲“quick slide”单人操作一分钟内可以完成开或者合的功能，还令采购成本大大节约。



中集安瑞科承建的中石化乙烯项目顺利竣工

2017 年 2 月 16 日，由中集安瑞科旗下荆门宏图承建的 1500³M 中石化乙烯低温大槽顺利竣工并交付业主使用。这是宏图该产品首次进入中石化设备采购供应商体系，订单的取得及产品按期保质交付，为宏图该产品后续

取得中石化采购订单奠定了良好基础。该项目总投资 2700 余万元，规模为 10 万吨/年，采用了国内先进的低温乙烯储运技术，主要建有低温乙烯储罐、制冷压缩机组、低温乙烯装车泵和装

车鹤位等。项目启用后，可帮助业主提高存量资产利用率，达到增产、节能、增效和产品结构调整之目的，具有较好的经济效益和社会效益，同时也将进一步促进业主提升其盈利能力和抗风险能力。



中集安瑞科LNG罐箱在美东航线多式联运试验成功

2017年2月25日，在拉丁美洲的波多黎各岛锡德拉市，40英尺LNG罐式集装箱成功卸液，罐箱的制造商是中集安瑞科旗下南通罐箱工厂，这也是中集安瑞科产品在成功投入美国西海岸至夏威夷州（美西线）批量运输2年后，再次通过了美国东海岸（美东线）中长距离运输测试，标志着中集安瑞科制造的LNG罐箱全面满足北美及拉丁美洲地区航线多式联运的运输要求。

据悉，此次运输LNG罐箱经历从充液至卸液的所有阶段，即静态无损储存、公路运输（杰克逊维尔港）、海路运

输、再至静态储存，单程运输距离为2600公里，LNG实物静态测试历时1个月。期间，罐箱压力稳定，优异的保温性能和友好的操作环境获得了客户的高度赞扬。

LNG运输较之普通化学品安全隐患更大，本产品内、外罐为不锈钢材质，安装了压力、液位监测、及GPS系统并配上无线远传设备，可以实时监测罐箱的性能状态，高效监控运输全过程，相关数据与客户运营平台对接，一定程度上降低了物流企业的运输风险。此系统还可以预测罐箱短期内的

压力状态，并计算出正常运输条件下罐箱可以达到的最长储存时间。从此试验罐箱获取的数据，预测无损贮存时间可达140天。

LNG罐式集装箱适用的运输方式多样，尤其适合中、下批量的LNG运输，辐射范围广泛，适用于不同的用户，实现“一罐到底”，是补充管道天然气贸易的良好工具。此次美东航线多式联运试验再次证明了中集安瑞科“多式联运LNG解决方案”的优异性和市场领先地位。



中集安瑞科签约广汇能源启东LNG接收站16万立方米储罐项目

2017年3月17日，广汇能源股份副总经理，广汇液化天然气公司董事长王建军先生一行访问中集集团，并参加启东LNG接收站16万立方米储罐项目合作签约仪式。中集集团副总裁高翔、安瑞科执行董事总经理刘春峰、中集租赁总经理王志武、安瑞科工程业务中心总经理王怀昇、TGE上海公司总经理 Carl Pross，扬子石化设计院院长肖修平等领导出席项目签约仪式，中集安瑞科、广汇能源和中集租赁三方

就启东LNG接收站16万立方米储罐项目分别签订相关合同。

启东LNG接收站是广汇能源在江苏启东投资建设的大型LNG接收转运工程，项目总投资金额近19亿元。项目二期的16万立方米LNG储罐项目，中石油寰球工程与昆仑银行、国家开发银行等机构均参与了项目总包和融资的竞争谈判，经中集安瑞科、中集租赁历时近18个月的总包建设及融资方案的

洽谈和设计，最终中集安瑞科旗下TGE和YPADI联合总包16万立方米LNG储罐，中集租赁通过售后回租的方式为项目提供资金支持。

集团副总裁高翔表示，中集、广汇能源均是各自领域的领军者，希望合作各方以此为契机，巩固过往合作基础，开启后续合作篇章，为促进中国能源行业的发展做出新的贡献。



中集安瑞科承建的第二艘 3600立方米液氨运输船试水成功



2017年4月26日，中集安瑞科旗下荆门宏图承建的国内第二艘3600立方米液氨/LPG多用途运输船在行业的瞩目中，于浙江舟山试水成功。东鹏造船有限公司董事长乐鹏飞、舟山市六横岛管委会及安监局、中国船级社上海分社、湖北武汉财政局领导莅临现场参加了下水仪式。

据悉，3600立方米液氨/LPG船为荆门宏图EPC总包，建造周期18个月。该船入CCS船级，在建造过程中，荆门宏图技术人员联合东鹏船厂及业内相关专家充分借鉴首艘船制造过程中积累下来的宝贵经验，集思广益，不断探索，在首艘船建造的技术基础上，进一步提高了科技含量。整船应用北

斗、GPS双定位系统、船舶航行启用智能化及船联网系统，大大提升了船舶航行的安全性；同时，还可精确调度船舶的配货运行，有效降低了船员的劳动强度，提高了人均劳效和船舶使用效率，节省了业主的综合运营成本，为船东打造了更加经济实惠、安全可靠的产品，受到中国船级社、船东和业内专家们的一致好评。

中集安瑞科 成功交付首个海外球罐工程



2017年5月2日，中集安瑞科旗下企业荆门宏图特种飞行器制造有限公司（以下简称“中集宏图”）为吉尔吉斯斯坦客户建造的4台1000立方LPG（液化石油气）球罐工程项目在吉尔吉斯斯坦卡拉巴德市顺利完工并交付运营。

该项目工地属于极寒地带，一年有效施工时间不足8个月，是中集宏图在海外第一个进场施工且第一个顺利完工的球罐工程项目，将成为吉尔吉斯斯坦国内最大炼油厂的首个LPG球罐储存系统，惠及当地居民的同时，也将提升吉尔吉斯斯坦清洁能源的整体应用水平。对中集宏图海外球罐及其他工程项目的洽谈和执行具有重要参考价值，也为中集宏图积累了丰富的海外工程施工经验。

业内人士表示，中集宏图在产品所执行的标准、工程服务能力、成本方面均有很大优势，得到许多‘一带一路’沿线国家的认可，这些国家对能源需求迫切，要建设的球罐主要用于LPG等能源化工产品的储存，因而存在巨大的市场空间。目前中集宏图承接的很多海外项目比国内复杂，不仅负责安装球罐，甚至还包括场地的其他附属设施，相当于‘交钥匙’总包工程。

中国首艘军民两用 5万吨级半潜船正式投入使用

2017年3月14日，中集船舶海洋工程设计研究院（简称中集 ORIC）为振华重工设计开发的我国首艘大型军民两用半潜运输船——“振华 33”在江苏启东建成并通过专家验收正式投入使用，谱写了军民融合的新华章，具有重要的现实和战略意义。

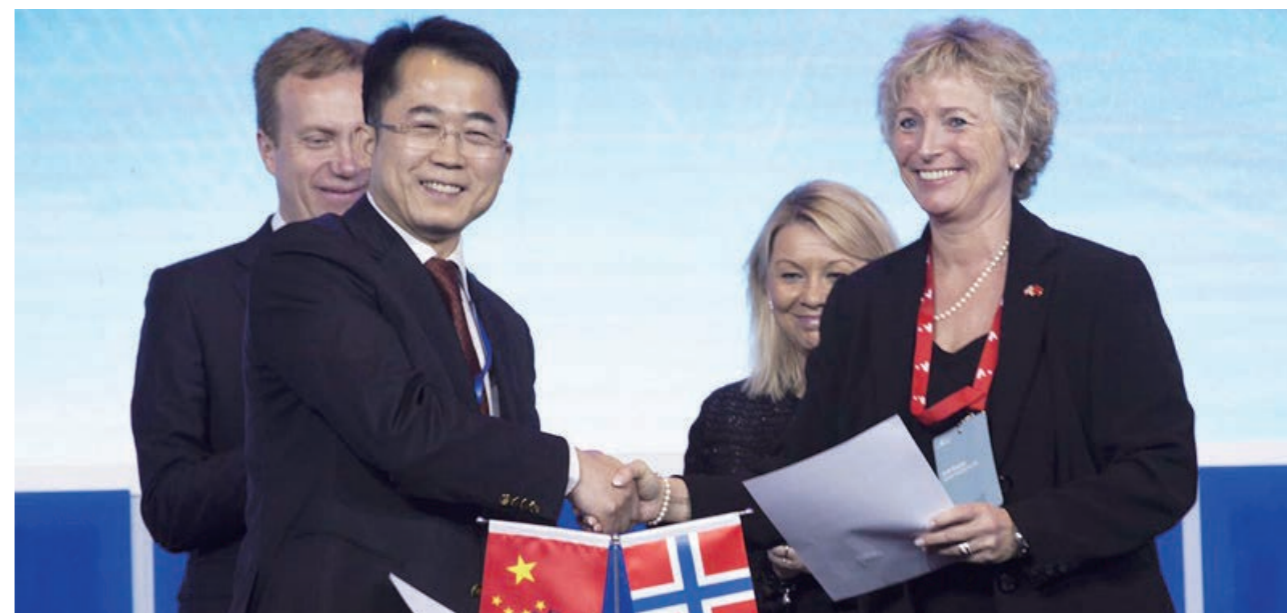
“振华 33”由中集 ORIC 自主研发设计，具有完全独立的知识产权。该船采用节能环保型设计，具有很高的自动化水平，拥有先进的 DP2 动力定位能力，是无限航区航行及作业的自航半潜运输船。

“振华 33”既适用于海洋石油和天然气勘探、开采中所需的大型海上装备（如大型钢结构件、各类平台、导管架、平台主块等）、大型船舶及舰艇的装载与运输，以及水上遇险的各类船舶、器材、航空航天器等抢险打捞，在战时，“振华 33”还具有海岸机动综合卸载、海上过驳卸载、直升机中继保障、舰船海上应急施救等多种军事用途。

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中集来福士与挪威公司签署 2.5亿美元建造意向书及合作战略协议



2017年4月7日，以“创造可持续解决方案，构建更美好未来”为主题的2017中国挪威商业峰会举行，该峰会由挪威使馆、挪威创新署主办，中华全国工商业联合会、中国企业联合会协办，正在访华的挪威首相索尔贝格出席峰会并发言。中集来福士作为中国高端海工装备企业代表受邀参会。峰会上，中集来福士与挪威公司签下了一份潜在价值高达2.5亿美金的建造意向书。不过，这次的装备不是用于深海采油的钻井平台，而是要去挪威深海养三文鱼的网箱。

5座深海网箱专为挪威三文鱼养殖设计

会议上，中集来福士总裁王建中与挪威 Ocean Aquafarms AS 公司董事长 Heidi Baugst 签署了《挪威深海网箱建造意向书及针对中挪区域水产合作战略协议》，涉及5座 Hex Box 养殖网箱建造，专门用于挪威三文鱼深海养殖，潜在价值高达2.5亿美元。据业内人士介绍，该项目具有良好市场前景，仅挪威一国市场即有吸纳100座 Hex Box 养殖网箱的市场潜力。

近年来，中集来福士立足高端海工装备制造总装能力，针对三文鱼养殖及挪威海域特点，联合挪威设计及装备公司共同研发可适于挪威深海养殖的智能网箱，可使挪威三文鱼养殖摆脱峡湾地域限制，逐步走向开放性深海海域。

王建中表示，这种深海网箱高度为30米到100米，单个价值约5000万美金。与此同时，中集来福士也在研发适合中国水域的网箱，“可养河豚、黑鱼、黄鱼、石斑鱼，给大家提供营养、远离污染的渔业产品。”

两国领导人积极推动中挪双方合作

据国际在线等媒体报道，在中挪商业峰会举办期间，李克强与挪威首相索尔贝格在人民大会堂举行了会谈，李克强表示，“中方愿与挪方建立政府间能源政策对话机制，密切两国企业界交流，在能源、海洋工程等领域加强合作，探讨共同开拓第三方市场，在农渔业、科技创新、社会保障、警务执法、地方人文等广泛领域拓展交流合作。”索尔贝格亦表示，挪威希望同中方拓展在农业、渔业、海洋、航运、环保、金融、税收、投资等领域合作。

国家层面的积极信号将给中集海工企业与挪威企业之间的合作带来更乐观的前景。

中集来福士浮式电站系统首次通过国际行业权威认证

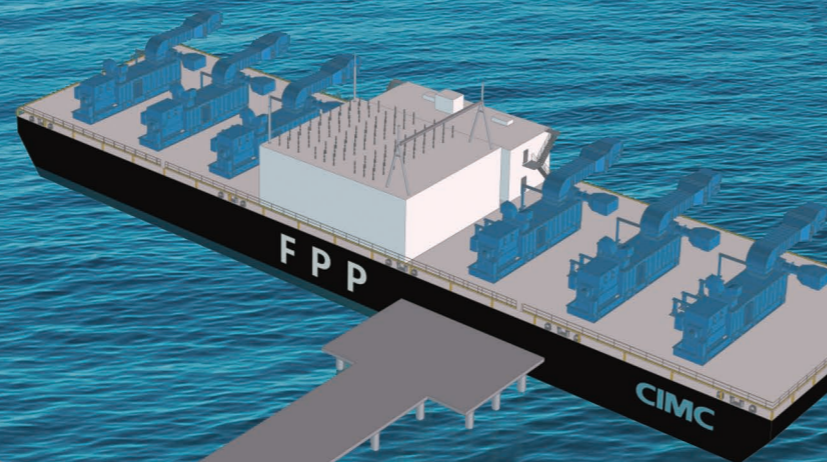
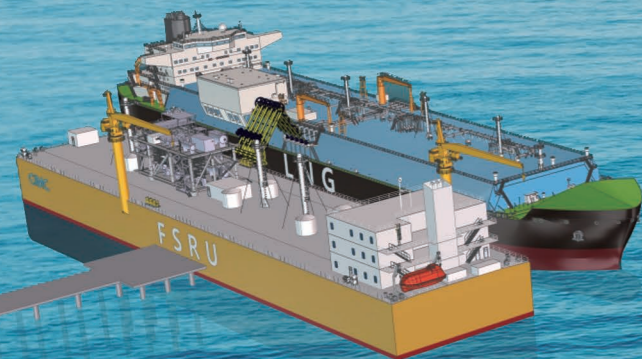
近日，中集来福士自主开发的浮式电站及浮式液化天然气再气化装置(LNG-FSRU)通过了美国船级社(ABS)设计原则性认证(AIP)。这是国内企业首次正式通过国际行业权威认证的浮式电站系统。该认证证书的取得意味着中集来福士已有资格面向全球市场推广该设计，使中国有望打破他国在该市场领域多年的垄断地位，向多达千亿美金的巨大市场吹起竞争号角。

简单来说，浮式电站方案就是将陆地上的发电厂集成后搬到船上，即一艘发电船，加一艘天然气燃料供给船。天然气作为清洁能源，价格低廉且环保性强，中集来福士的浮式发电

船选用天然气作为燃料，通过一种叫LNG-FSRU的装备，即浮式液化天然气再气化装置，从LNG运输船上接收LNG，将LNG储存在FSRU船体内，再气化后通过柔性软管输送到发电船上。

这种浮式电站具有机动、便捷、建造周期短、污染小、不占陆地面积等优势，主要面向两类市场，一是基础设施较差的新兴发展中国家的海岛，如东南亚的印度尼西亚等国及非洲的一些国家。二是人口众多，陆地电力负担重，但陆上土地资源稀缺或空气污染严重的沿海城市，这些城市即使不用电，LNG-FSRU也可以独立解决陆上的天然气需求。

据了解，此次中集来福士通过ABS认证的是50MW(兆瓦)燃气轮机浮式电站、100MW(兆瓦)燃气轮机浮式电站和24000立方米LNG-FSRU。一般而言，1MW电量可以满足约2万人的小城镇居民每天的生活用电需求，50MW-100MW的发电船基本满足一个上万人口大型海岛的居民生活和工业发展用电，24000立方米的LNG再气化装置一次性储存量可满足发电船20-30天的燃料需求。



海洋工程总装研发设计国家工程实验室在上海成立

2017年4月25日，海洋工程总装研发设计国家工程实验室在上海成立并召开了第一届理事会第一次会议。中船集团副总经理孙伟出席讲话，并与中集集团副总裁于亚、上海交大副校长吴旦和上海市发改委、科技委代表一起，为国家工程实验室揭牌。

该实验室由中国船舶工业集团公司第七〇八研究所与中国国际海运集装箱(集团)股份有限公司联合牵头上海外高桥等12家单位共同申报，于2016年6月获得国家发展和改革委员会正式批复，集合了我国海洋工程行业内从基础研究、研发设计、系统集成到总装建设的各优势单位，是集全行业之力打造的国家级高水平海洋工程总装研发设计创新平台。

该实验室成立后，将针对我国海洋工程装备前期设计核心技术短板、总装建造技术不强等问题，面向深海资源开发、极地资源开发、矿产资源开发和深水海洋保障等四大领域的迫切需求，围绕海洋工程装备总体技术领域和前瞻性技术发展趋势，突破装备的总体研发设计技术、试验验证技术、系统集成技术和并行协同设计技术等十大共性关键技术，建设海洋工程研



发设计与总装建造示范平台，支撑开展新一代钻井平台、深水半潜式生产平台、极地钻井船、大洋钻探船和超大型半潜船等十大装备技术、工艺和装备的研发、系统集成和工程化，培养一批高水平海工装备的工程技术创新人才，促进重大科技成果应用，逐步完善海工装备设计技术体系和产业体系，全面形成深海、极地油气开采装备、矿产开采装备、海上保障装备的自主设计能力，为做大做强海工装备制造业提供全方位的技术支撑。

海工装备是新兴产业和高端制造业的重要组成部分，近年来，我国海工装

备技术和产业领域取得了长足的进步和发展，“海洋石油981”半潜式钻井平台、GM4-D系统极地半潜式钻井平台、D90超深水半潜式钻井平台、“海洋石油117”FPSO等一批重点海工装备都是工程实验室组成单位通力合作的成功典范，对推动我国海工装备产业的发展具有重要意义。

未来，实验室将围绕国家重大战略任务、重点工程对装备研制的迫切需求，逐步形成一批重点装备的自主设计建造和配套能力，提升企业持续创新能力，为推动我国海工装备产业的发展做出贡献。

中国首次试采海底可燃冰成功 中集“蓝鲸1号”承担重任

“中国首次海域天然气水合物试采成功！”2017年5月18日，中国国土资源部部长姜大明站在正在我国南海神狐海域作业的钻井平台“蓝鲸1号”上宣布。自此，中国成为全球领先掌握海底天然气水合物（也叫可燃冰）试采技术的国家，这对于促进我国能源安全保障，优化能源结构具有里程碑意义。当天的仪式上，国务院办公厅督查室主任高雨宣读了党中央、国务院对海域天然气水合物试采成功的贺电。

承担此次国家重大战略任务，并成功试采可燃冰的“蓝鲸1号”，是全球最先进超深水双钻塔半潜式钻井平台，正是由中集来福士海洋工程有限公司（简称“中集来福士”）自主设计建造的，蓝鲸海洋工程公司联合中国石油集团海洋工程有限公司共同履行平台运营服务合同。

出席当天仪式的还有财政部副部长刘伟，国土资源部党组成员、中国地质调查局局长钟自然，广东省副省长李春生，中国石油天然气集团董事长王宜林、副总经理汪东进，国家能源局总工程师韩水，国家海洋局副局长石青峰，中国地质调查局副局长李金发，中集集团CEO兼总裁麦伯良、副总裁于亚、李胤辉，中集来福士总裁王建中、副总裁刘燕嘉等。



超额完成预定试采目标 我国可燃冰勘探开发实现世界“领跑”

南海神狐海域天然气水合物试采工作由国土资源部中国地质调查局负责，在党中央、国务院的坚强领导下，在财政部、发展改革委和科技部等部委的大力支持下，在中石油集团、中集来福士等单位的配合下，5月10日起，国土资源部中国地质调查局从我国南海神狐海域水深1266米海底以下203-277米的天然气水合物矿藏中开采出天然气。

中国地质调查局天然气水合物试采现场指挥部指挥长叶建良，在5月18日的仪式上庄重报告：南海神狐海域天然气水合物试采于2017年3月28日正式开钻，经过四十多天的日夜奋战，本月10日下午2点52分点火成功。至5月17日下午3点连续7天产气总量11.32万方，平均日产1.6万方，最高瞬时日产3.5万方，甲烷含量达99.5%，目前试采正常，产量稳定，超额完成日采1万方、连续一周的预定目标。

这次试采成功是我国首次、也是世界第一次成功实现资源量全球占比90%以上、开发难度最大的泥质粉砂型天然气水合物安全可控开采，为实现天然气水合物商业性开发利用提供了技术储备，积累了宝贵经验，打破了我国在能源勘查开发领域长期跟跑的局面，取得了理论、技术、工程和装备自主创新，实现了在这一领域由“跟跑”到“领跑”的历史性跨越，对保

障能源安全、推动绿色发展、建设海洋强国具有重要而深远的意义。

此前在3月28日的项目启动仪式上，钟自然表示，《中国国民经济和社会发展规划十三五规划纲要》明确将推进天然气水合物资源勘查与商业试采列入能源发展重大工程。海域天然气水合物试采关系国计民生，承载着国家和人民的重托和厚望。天然气水合物试采将为我国开启能源利用新时代奠定坚实基础，开创历史机遇。党中央、国务院、国土资源部对此高度重视，多次做出重要批示。

他表示试采成功意义重大，天然气水合物试采是建设海洋强国和科技强国，实施“三深一土”国土资源科技创新战略的关键之举，是检验前期科技创新成果的试金石。实施海洋强国和科技兴国战略需要我们提高深海开发能力，摸清天然气水合物资源家底，维护国家海洋主权。实施试采既可以检验我们前期形成的理论技术和装备体系的科学性，又可以通过开展大规模多专业高难度的联合科技攻关迅速掌握深海进入、深海探测和深海开发技术，推进天然气水合物资源商业性开发。“实现成功试采将是开启中国地质调查事业第二个百年的首场科技攻坚战”。

中石油集团副总经理汪东进也表示，中石油集团高度重视，倍加珍惜这个“国内首次”的机会。

蓝鲸1号：成功开采可燃冰的“国之重器”

承担此次试采任务的“蓝鲸1号”由中集集团旗下中集来福士自主设计建造，5月18日仪式上，中集集团CEO兼总裁麦伯良对于此次试采成功备感自豪和兴奋，他表示，“‘蓝鲸1号’代表了当今世界海洋钻井平台设计建造的最高水平，将我国深水油气勘探开发能力带入世界先进行列，也是中集集团践行‘一带一路’的国家宏伟战略、提升国家高端能源装备实力的重要实践。”

中集集团副总裁于亚表示，用中集自主设计建造的超深水钻井平台“蓝鲸1号”，承担这一标志性试采项目，是中集作为中国制造业企业的特殊荣誉。他介绍，2016年8月16日中国石油海洋工程有限公司与中集来福士公司签署了基于中集“蓝鲸1号”的钻井平台技术服务合同。2017年3月6日23时，中集蓝鲸1号完成运营准备工作，从烟台启航，经过8天的航行顺利到达井位。

据了解，“蓝鲸1号”采用Frigstad D90基础设计，由中集来福士完成全部的详细设计、施工设计、建造和调试，配备DP3动力定位系统，入级挪威船级社。平台长117米，宽92.7米，高118米，最大作业水深3658米，最大钻井深度15240米，是目前全球作业水深、钻井深度最深的半潜式钻



中集集团CEO兼总裁麦伯良前往驾驶室慰问中集蓝鲸1号的外籍员工们

井平台，适用于全球深海作业。与传统单钻塔平台相比，“蓝鲸1号”配置了高效的液压双钻塔和全球领先的DP3闭环动力管理系统，可提升30%作业效率，节省10%的燃料消耗。

该平台先后荣获2014《World Oil》颁发的最佳钻井科技奖以及2016 OTC最佳设计亮点奖。2015年5月，国务院总理李克强在巴西“中国装备制造业展览”上，参观了“蓝鲸1号”模型，为平台点赞。

“蓝鲸1号”拥有27354台设备，40000多根管路，50000多个MCC报验点，电缆拉放长度120万米。作为

最先进一代超深水双钻塔半潜式钻井平台，该平台不仅在物理量上远超于其他项目，而且在设计建造过程中，克服了技术攻关、项目管理、全球采购、实际作业应用等诸多挑战。

中集来福士采用详细设计和基础设计并行推进的策略，仅用9个月完成了平台的设计任务，比标准设计周期缩短了3个月；首次使用100毫米NVF690超厚钢板，在全球率先成功完成CTOD实验，使中集来福士成为全球唯一一家通过CTOD实验，并具有该类焊接生产能力的企业；在项目中首次运用“日清日结、日事日毕”的精益管理，提高生产进度15%。

可燃冰开采受各国瞩目 商业化前景巨大

可燃冰的学名是天然气水合物，大多分布于陆地冻土区或距海面900到1200米的深海沉积物中，是由天然气与水在高压低温条件下形成的类冰状结晶物质，燃烧后仅会生成少量的二氧化碳和水，与石油、天然气相比，具有使用方便、燃烧值高、清洁无污染等优点。有专家估计，可燃冰仅海域储量就可供人类使用1000年，被认为石油、天然气的接替能源。

可燃冰具有巨大的经济价值和重要的战略意义，引起全球各主要资源国的高度关注。我国是可燃冰资源储量最多的国家之一，除了陆地冻土区外，整个南海的可燃冰地质资源量约为700亿吨油当量，远景资源储量可达上千亿吨油当量，开发前景十分广阔。

可燃冰试采项目作为实施国家能源战略的一个重点项目备受瞩目，但其勘探开发仍需要攻克巨大的技术障碍和环境障碍，如果技术不成熟，可能导致海底地质灾害、海底大量温室气体涌入大气等问题，引发环境危机。多

年来，由中国地质调查局主导，在中国石油天然气集团公司等企业的支持下，中国在可燃冰的调研勘探、试开采技术验证等领域取得了丰硕成果。

我国此次试采成功，全球领先，意义非常重大。“蓝鲸1号”在南海成功试采可燃冰，标志着我国在该领域取得了重大技术突破，为可燃冰的商业化开发铺路，将对我国能源结构产生重大影响，提高能源自给率，保障国家能源安全，同时缓解煤炭、石油等带来的环境污染问题，实现我国经济社会持续健康发展。



中集来福士签约深远海智能化网箱 水产养殖装备制造项目



2017年5月23日，“挪威-中国海产暨养殖峰会2017”在北京举行，中集来福士与挪威知名设备商康士伯海事 (Kongsberg Maritime) 在峰会上签署《中国海上养殖网箱高端装备独家供货合作备忘录》，不仅深化了双方的战略合作，对于推动中国渔业装备智能化进程也具有积极意义。

据悉，康士伯海事是一家主要研发海洋油气、渔业、海运等领域自动检测控制系统产品的世界知名企业。而中集来福士是集研发设计、建造调试于一体的高端海洋装备建造企业，具备世界一流的设施和技术。两家强强联

手，引进先进的网箱水下监测系统与水下灯等产品，可以保证网箱系统的稳定精确运行，对提高中国海洋渔业养殖整体质量具有重要作用。

2017年5月24日，中集来福士与长岛佳益海珍品发展有限公司（简称“长岛佳益”）签署《25*25自升式海洋牧场平台和Hex box C15-35K深远海智能化坐底式网箱》建造合同，与长岛弘祥海珍品发展公司（简称“长岛弘祥”）签署《Hex box C30-75K深远海智能化坐底式网箱》建造合同。

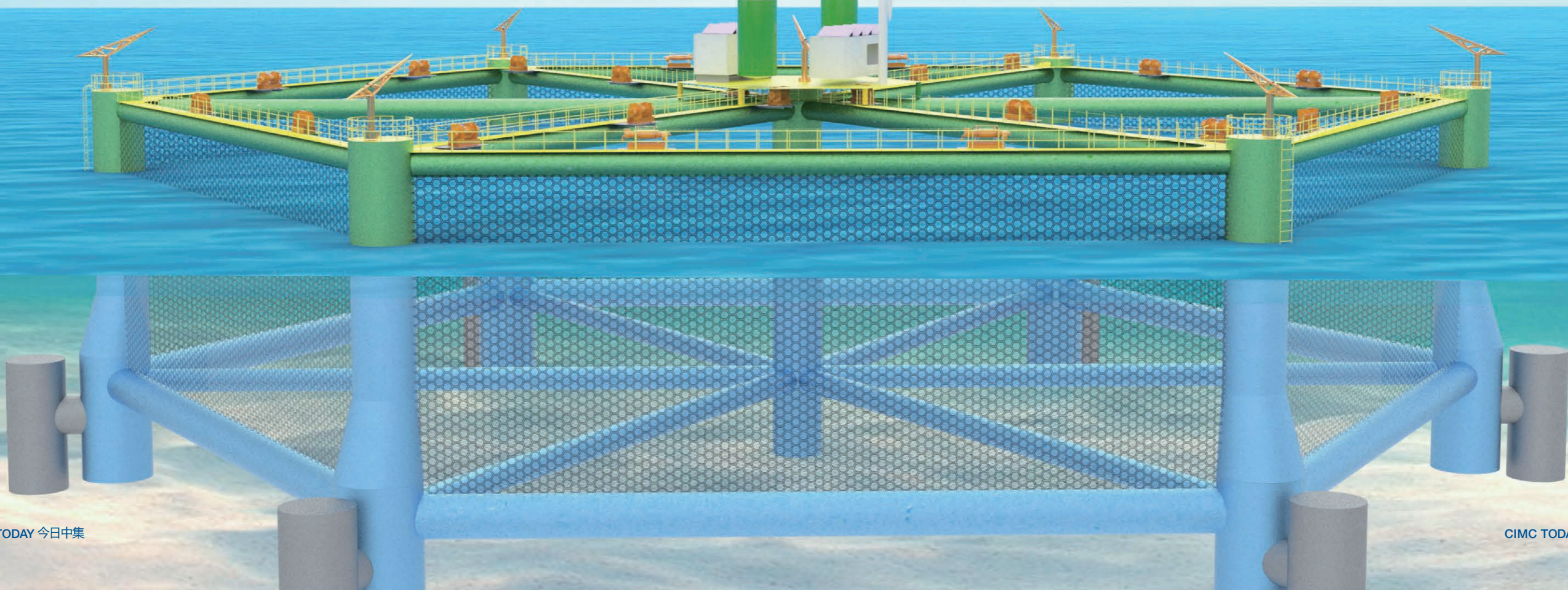
本次签约涉及的Hexbox C15-35K和

Hex box C30-75K智能化坐底式网箱是我国首个自主设计建造的深远海智能化网箱水产养殖项目，专门针对我国海域，由挪威 Ocean Aquafarms AS 公司提供技术支持，中集来福士进行详细设计并在旗下龙口建造基地完成项目建造调试直至交付。

据业内人士介绍，传统网箱养鱼有一定效益，但由于只能在近海及内湾养殖，存在与海岸线旅游资源争地，无法保证水产品数量和质量等问题。而深远海智能化网箱采用坐底式六边形钢结构形式，内部分为六个体积一致的小网箱，按尺寸进行分养，采用了风力发电和太

阳能等新能源供电方式，通过自动喂饲、水下监测、水下洗网等设备实现网箱养殖的自动化、智能化和无污染化。让水产养殖从近岸走向深远海，不仅降低了传统网箱养殖造成的水域污染，也有利于海岸线旅游资源开发，更可以为用户带来丰厚的经济效益。以 C15-35K（15米）深远海智能化坐底式网箱为例，如果养殖黑鱼，理论测算年净利润为746.8万元。

毫无疑问，两个项目的落地标志着中集来福士在海洋渔业装备领域再次取得突破性进展，同时对推动中国渔业装备智能化进程具有积极意义。



中集来福士 批量交付6艘高端游船和游艇

2017年6月7日，中集集团旗下成员企业中集来福士为北部湾旅游股份有限公司（简称“北部湾旅游”）旗下全资子公司烟台新绎游船有限公司（简称“新绎公司”）设计建造的2艘“寻仙”系列主题游船和4艘“求仙”系列99客位主题游艇分别在烟台建造基地和龙口建造基地交付，这是中集来福士在旅游供给侧改革方面取得的突出成绩，夯实了中集来福士在高端游船和游艇领域的自主研发和批量建造能力，对于提升双方高端海洋旅游品牌影响力也具有重要推动作用。

做有情怀的游船和游艇给游客带来更多“仙”气

“寻仙”和“求仙”系列高端沿海主题旅游项目，致力于满足游客健康养生旅游情怀，不仅是相关航线观光旅游的交通工具，更兼具“休闲度假目的地”的功能，让游客在物质层面享受的同时，得到精神层面的满足，同时也助推山东省“仙境海岸”文化旅游目的地品牌建设。

本次交付的2艘“寻仙”系列主题游船分别为“寻仙5”和“寻仙6”，是中集来福士进军高端游船的首制项目，用于渤海长岛海域观光旅游。在文化理念

上，“寻仙”系列融入“八仙”文化，阐释了海上寻仙山的概念，设计了以修为为核心的三大七修活动层级以及供游客登高望仙的“寻仙台”，让游客感受到更多“仙”气。在造型设计上，摆脱“千船一面”的工业化设计思路，采用中国龙的造型风格，船体如行云流水，仪态万千。在建造工艺上，用大玻璃舷窗取代普通钢制舷窗，安全可靠，美观大方，这一技术创新获得了中国船级社的认可，此外，水下灯、纳米涂料等工艺创新也首次应用在“寻仙”系列上。在旅游服务上，“寻仙”系列拥有御龙道幻影空间、仙味休闲餐厅、忆仙创意纪念品店、戏梦主题游乐空间等，充分满足游客的各种需求。

4艘“求仙”系列99客位主题游艇是中集来福士在游艇领域打造的又一精品工程，用于秦皇岛沿海航线、崆峒岛沿海航线及环岛游。“求仙”系列在造型设计上也别具特色，采用战斧式船首和流线型设计，外观美丽大方，还能够提高游艇的航行性能和舒适性。在建造工艺上，船体与上建均用钢制结构，可靠耐用，尤其适用于暗礁、浮冰、地形复杂的海域。此外，“求仙”系列观光甲板人均面积达到1.5平方米，游客可以一边舒适地吹海风、喂海鸥、看风景，一边在山水间感受“仙人境界”。

持续发力旅游供给侧改革 打造世界一流游船和游艇

当前，我国居民消费步入快速转型升级的重要阶段，旅游业正迎来黄金发展期，然而，目前的旅游产品供给已经无法满足人们对于出游的高品质需求，旅游业也处于矛盾凸显期。此次中集来福士和新绎公司强强联手，抓住旅游供给侧改革机遇，推出的“寻仙”和“求仙”系列高端沿海主题旅游项目，不仅让更多消费者享受到“高大上”的海洋旅游服务，也为公司发展赢得新机遇。



2016中国货代物流百强出炉 中集物流位列第8

由中国国际货运代理协会、国际商报社共同主办的2016年度中国货代物流企业排行榜排名近日开始公示，排名榜包括货代百强综合榜、仓储榜、海运榜、陆运榜、空运榜和民营榜。

中集物流分别位列中国货代百强综合榜第8名、仓储榜第3名、海运榜第4

名、陆运榜第12名。中集物流直管成员企业振华物流集团分别位列综合榜第13名、仓储榜第13名、海运榜第7名、陆运榜第15名。

中集物流一直以打造一体化物流服务能力，提高物流效率，降低物流成本，为社会持续创造价值为使命，聚焦集

装箱全球运营管理、海运及项目物流服务、多式联运、装备物流、合同物流五大业务线，致力于发展成为全球最大的集装箱运营管理服务商以及国际知名的“装备+服务”物流解决方案供应商。



中集天达中标 香港国际机场飞机地面空调项目

2017年5月15日，中集天达吉荣航空制冷有限公司再次获得香港国际机场北卫星楼飞机地面空调项目订单。据中集天达吉荣总经理陈喆介绍，此次中标的机组严格按照香港机场的要求设计并采用了全新的结构。香港地处沿海地带，全年湿润多雨，这样的环境对机组的防腐要求也相对增高，中集天达吉荣的飞机空调能完全满足高防腐等相关恶劣环

境要求，本项目设备产品在满足机场的基础要求上，机组还具有低噪音、低温送风、快速制冷、节能环保等显著优点。据悉，中集天达吉荣此前共有182台空调机组在香港机场使用，随着本次订单的获得，中集天达吉荣几乎包揽香港机场的全部飞机地面空调，成为香港机场该设备的最大提供商。

伴随着香港市场的打开，中集天达吉荣也先后进入非洲的肯尼亚、坦桑尼亚，美洲的巴拿马、巴西，欧洲的土耳其、波兰等全球市场。截至目前，已为全球33个机场提供超过680台飞机空调，其中有350台飞机空调服务于10个海外机场，国际市场占比超过50%。



中集天达 斩获上海浦东机场3 亿订单

中集天达所建造的近 6000 台登机桥，
总量占全球市场份额约

40%

2017 年 5 月 26 日，中集天达中标上海浦东机场三期扩建工程共计 162 台登机桥订单，订单总额 2.9646 亿元人民币。这也刷新了此前中集天达中标北京大兴国际机场 1.7 亿订单的记录，成为迄今为止国内登机桥市场单一最大订单。至此，中集天达包揽了上海浦东机场一期至三期的全部登机桥，也将为上海浦东机场这个设计 8000 万人次吞吐量的航空枢纽港承担重任。

值得注意的是，中集天达本次提供的产品中，除了 A380 高桥外，还将有两台为国内机场首次提供的 T 型登机桥。这也填补了当前国内市场无国产 T 型登机桥的空白，标志着国产登机桥迎来产品种类的新突破。据介绍，当飞机和候机楼（或固定端）相对位置关系特殊时，比如飞机停机位与候机楼距离特别近等情况，普通的旋转伸缩式登机桥接机就难以满足要求，而 T

型登机桥可以提供解决方案，而且效率更高。

据了解，今年以来，中集天达凭借雄厚的实力，先后中标了北京大兴国际机场、桂林两江国际机场、智利圣地亚哥机场、沙特 Abha 机场、阿姆斯特丹机场、澳大利亚墨尔本等国内外知名机场共计 480 多台登机桥。本次中

标也将进一步提高中集天达在全球登机桥市场的占有率和影响力。截止目前，中集天达已将登机桥产品打入全球 259 个机场，覆盖国家（地区）69 个，其中国际机场 119 个，国外业务占比 5 成，所建造的近 6000 台登机桥，

总量占全球市场份额约 40%，为全球的航空旅客提供安全舒适的保障。



中集财务公司获批 加入并上线上海票据交易所



2017年3月27日，中集财务公司获上海票据交易所批准，成为票据交易所会员，并于当天完成交易系统上线。

上海票据交易所是由人民银行筹建的国家级票交所，是具有票据交易、登记托管、清算结算、信息服务多功能的全国统一票据交易平台，于2016年12月8日正式开业运营。上海票据交易所正式成立是我国深化金融改革发展的重要举措，其将大幅提高票据市场透明度和交易效率，激发市场活力，更好防范票据业务风险。同时，也有助于完善中央银行金融调控，优化货

币政策传导机制，以建设票据交易平台为突破口，进一步增强票据市场服务实体经济的能力。

中集财务公司加入上海票据交易所，接入全国统一的票据交易平台，在全国范围内全面提升集团票据运作能力，助推集团产融结合。中集财务公司利用票据的结算和融资功能，结合上海票据交易所这一全国票据交易平台，在票据承兑环节为企业支付结算提供便利，加快资金周转和商品流通，促进贸易的往来。在票据贴现环节，为企业提供便捷的融资渠道和低成本资金。

据悉，2017年7月起，纸质票据都必须在票交所系统登记，实现纸质票据的电子化，2018年1月起，票面金额100万元以上票据必须为电票，纸票退市已进入真正的倒计时。中集财务公司已在2013年接入人民银行电子商业汇票系统，并结合企业管理需求，开发了财务公司票据管理系统，系统功能包括纸票、电票业务处理和企业票据管理两部分。通过该系统企业可以将分散在各家银行网银的电票集中到统一的平台上，实现纸票、电票业务的集中管理，目前已免费为集团内近100家企业开通使用。

2017年中集智谷杯赢在东莞科技创新创业大赛启动会成功举行



2017年6月5日，第六届中国创新创业大赛港澳台赛、2017年中集智谷杯赢在东莞科技创新创业大赛暨第三届赢在东莞大学生科技创新创业大赛启动会在东莞松山湖中集智谷产业园成功举办。

科技部火炬中心基金受理处处长安磊，广东省科技厅副厅长杨军，东莞市人民政府副市长黄庆辉、副秘书长陈庆松，东莞市科技局局长吴世文等领导，中集集团总裁助理秦钢，中集产城副总经理魏俊、产业发展中心总经理孙斌、营销管理中心总经理鹿传仪，中集智谷总经理陈平、副总经理王琦蕾，

中集云创总经理田欣，中集VC基金负责人程默，以及粤港澳大湾区各协办机构、东莞各镇街（园区）科技主管部门和参赛企业团队代表约350人出席了大赛启动会。

据悉，赢在东莞科技创新创业大赛（简称市赛），是东莞市内最高规格的创新创业赛事，已连续举办四届。今年市赛除了设置市内赛之外，还特别增设市外赛（国内赛、国际赛），主要是在深圳设立国内赛区，在美国设立国际赛区，由此从全球“引智”，招募更多优质创新创业项目与团队参与其中。

目前，国赛命题挑战赛已吸引中集集团、TCL、Plug And Play、洛可可等企业，向创业者广发英雄榜、寻找创业“黑马”，促进两岸资源和服务对接，实现协同创新。中集集团结合自身创新升级发展需求，在本次大赛发布了涉及到智能、环保、材料、工业物联网及专业技术五大领域50余项命题，包括有智能制造、智能产品、环保技术、节能技术、智能监测系统、焊接技术、激光技术、新材料等方面，希望通过大赛针对性挑战赛选拔，以实现创新技术的有效对接与合作发展。

秦钢提到，赢在东莞科技创新创业大赛积极推动着东莞创新创业事业发展。在这“大众创业、万众创新”时代潮流下，中集集团内部掀起了一股创新创业风潮。中集集团在东莞发展战略明确提出，以中集智谷产业园为依托，坚持以“产业带动创业、服务支持创新”的服务理念，极力打造成为创新创业培育基地，助力东莞科技创新发展。

中集模块化39周交付英国Trafford 第四代洲际智选假日酒店

2017年5月19日，由中集模块化承建的英国曼彻斯特市特拉福德市中心的Trafford HIE第四代酒店迎来正式开业。220间客房从动工到完工开业共计39周，相当于传统建造的一半时间，刷新当地建筑记录，也刷新了洲际集团最快的项目竣工时间。

该酒店餐饮、酒吧、健身、会议等服务一应俱全，临近除伦敦外最大的商业购物中心特拉福德购物中心，靠近

全欧洲最大的商业公园—特拉福德公园，毗邻全英国第二大的展览中心EventCity。

据悉，截止到今年底，中集模块化在英国预计交付超过2015个模块，约计超过3500间房。中集模块化打造的中集智造品牌已在英国遍地开花。



618电商大战 e栈日均包裹投递量超百万

2017年6月18日，除了是京东的大战场，天猫也不遗余力投入其中。快递柜作为线下物流最后一公里交付终端，在整个生态链中起了至关重要的作用，e栈在618期间表现不俗，使用率创下新高，标志着快递柜已成为末端交付主流手段。

6月20日，北上广深佛e栈平均周转率达到110%。日均投递量是2016年双十一的一倍多，超过100万件包裹，就北上广深一线城市而言，e栈的周转率是行业全网最高数据（剔除校园类产品），5月份我们的日单投递量达到65万件，大幅高于去年同期。更难

能可贵的是，e栈是在全网收费的情况下，实现了高增长，所以，其“含金量”十足。

现在的e栈日投递强度日日都高于2016年双十一水准。据京东的刘强东判断，未来五年电商商品零售交易量占到整个零售交易量的40%，这是一个非常惊人的比例，快递柜投递量数据做为电商包裹的主要处理方式，可以做为电商行业的先行指标，能间接的印证这一观点。

e栈集中于北上广深，预计在2015-2017年间，一线城市快递包裹入柜比

例总增长可达到5倍以上。2016年，e栈深圳投递量占4个城市投递总量的50%，而到今年e栈在北上广深4个城市的投递量已经基本拉平，形成齐头并进的强劲势头。根据e栈在一线城市的实践，可预测，当消费者和快递员使用过2-3次快递柜，基本会形成依赖，因为快递柜非常实用、高效、便捷！持续增长的数据证明e栈快递柜在一线城市的龙头地位也将日益巩固。目前，e栈正在紧锣密鼓落实B轮融资，一旦融资落定，必将迅速布局一、二线城市，在保证有效规模的前提下，推动e栈早日盈利。



联合卡车包揽 “2017中国卡车公开赛”多项冠军

2017年6月11日，“2017中国卡车公开赛”在北京落下帷幕，联合卡车在本次比赛中表现突出，获得了决赛第一回合、第二回合车队冠军，12L组冠军，车手亚军等共6座奖杯的好成绩，并获得卡赛北京站车队总冠军。

联合卡车京津唐区域经理刘忠诚表示，

中国卡车公开赛是一个专业的赛事平台，对车辆的性能要求非常高。联合卡车在此次比赛中取得这样的成绩，也是提升品牌自信、促进市场销量的一个契机。接下来，联合卡车依然会从用户角度出发，把服务和产品做扎实，扎稳马步，一步一个脚印地去开拓市场。



南方日报

大国重器“蓝鲸1号”这样炼成

可上九天揽月，可下五洋取“冰”。近日，我国首次实现了海域可燃冰成功试采。在我国南海神狐海域，国土资源部中国地质调查局成功从1266米深海底之下203米-277米的可燃冰矿藏开采出天然气。

由于具有巨大的经济价值和重要的战略意义，天然气水合物（又称“可燃冰”）历来备受关注。不为人知的是，可燃冰的成功试采，离不开一家深圳企业，其研制的钻井平台立下了汗马功劳。

这一平台名为“蓝鲸1号”，由中集来福士海洋工程有限公司（简称“中集来福士”）自主设计建造。“蓝鲸1号”海上钻井作业平台在南海成功试采可燃冰，标志着我国在该领域取得重大技术突破，为可燃冰的商业化开发铺就了道路。

成功开采可燃冰的“国之重器”是怎样炼成的？南方日报记者为你揭开“蓝鲸一号”的神秘面纱。

中集的“海洋梦想”

总部位于深圳的中国国际海运集装箱（集团）股份有限公司（简称“中集”），于2008年收购烟台来福士公司（简称“中集来福士”）29.9%的股份，成为该公司的最大股东，正式进入特殊船舶和海洋工程的建造业务领域。

许多人对于海洋工程行业并不熟悉，这其实是一个有着每年约3000亿美元产值的新兴战略产业。中集集团董事会秘书办公室主任吴三强介绍，中集集团2007年开始关注海洋工程，那时国内高端海工装备领域几乎空白，连大学相关专业的研究、学科设置也涉猎不深。

“我们刚进入海工行业时，全球市场只有欧美、新加坡、韩国等地区的声音，中国技术力量极为薄弱。”他告诉记者，要迈向世界级企业，必须实现产业升级走向高端，因此中集选择了海洋工程作为战略延伸。

自主创新让深圳企业在国际舞台的话语权越来越大。吴三强说，钻井平台设计包括概念设计、详细设计以及工艺设计，最核心的技术被国外企业垄断，“中集进军海工初期基本只做工艺设计，源头一改就得推倒重来，成本难以控制。短短几年时间，中集已经知晓设计原理并懂得应对方法，了解了如何去控制成本。”此后，中集深入半潜式平台的前端设计，同时也有了设备制造和采购的自主权，身份由高级“打工仔”转变成了“包工头”，成为国内深水平台设计建造先行者。

如今，中集已是全球领先的海洋工程装备制造制造商之一。作为深水海工装备制造设计建造企业，中集来福士在建深水半潜钻井平台占全球25%的市场份额。

4万多根管路的“蓝鲸1号”

名字颇具梦幻感的“蓝鲸1号”，到底有多牛？

一组数据可以给你答案：破双项世界纪录，全球最先进超深水钻井平台，拥有27354台设备，40000多根管路……

“可燃冰开采是一个世界难题，其所使用的专业设备非常关键，以往这些设备大都由日韩、欧美等提供，中集此次提供的‘蓝鲸1号’代表了重大突破。”吴三强介绍，“蓝鲸1号”是中集集团自主研发设计，拥有自主知识产权的钻井平台。其最大作业水深3658米，最大钻井深度15240米，是目前全球作业水深、钻井深度最深的半潜式钻井平台。

“蓝鲸1号”是中集来福士又一个“交钥匙”项目，完成了从设计到采购、生产、调试至最终交付的总承包建造，并顺利通过中油海安全运营管理体系认证，于2017年2月13日在烟台命名交付，交付后即刻投入作业。

可燃冰产业链的“风口”

“蓝鲸1号”代表了当今世界海洋钻井平台设计建造的最高水平，也将我国深水油气勘探开发能力带入世界先进行列。中集海工战略发展部和项目拓展部高级经理潘细录透露，中集海工目前已交付10座深水半潜式平台和11座自升式平台，这些平台分布在挪威北海、巴西、西非、波斯湾、墨西哥湾、里海、南海等全球主要海洋油气产区作业，手持深水半潜式钻井平台订单

“我们对工艺设计进行了重大改革，用全球起重能力最大的‘泰山吊’（2万吨桥式起重机）改变了半潜式钻井平台的建造模式，一举解决了半潜式平台生产工艺的交付期问题。”吴三强说，像“蓝鲸1号”这样“高精尖”的“大国重器”，其设计仅用了9个月时间，比标准设计周期缩短了3个月。

2016年8月16日，中国石油海洋工程有限公司与中集来福士公司签署了基于中集“蓝鲸1号”的钻井平台技术服务合同。2017年3月6日23时，中集“蓝鲸1号”完成运营准备工作，从烟台起航，经过8天的航行顺利到达井位。

“这次可燃冰开采所披露出来的能源储量非常巨大。海上平台很重要的一点是要抗风浪，面临着稳定性、安全性等技术难题，这便需要核心装备给予技术支持。”吴三强介绍，研制、搭建钻井平台是一个巨大的工程，以“蓝鲸1号”为例，这一半潜式平台造价达7亿-8亿美元，其中设备费用占60%，历时3年才顺利交付。“此次可燃冰试

已占全球市场份额的25%。可燃冰未来的商业化，让能源产业链站上了风口。

“可燃冰开采出来后，如何储存、运输、分销以及最终的气化、液化，都需要相关领域装备进行支持。”吴三强举例，中集旗下的安瑞科便专注于能源装备，是国内最大的天然气中下游设备供应商，拥

采的顺利实施，说明我们的钻井平台经得起考验，在未来国家能源自给过程中将起到重要作用”。

2009年，中集开始组建了自己的设计队伍，在烟台成立了中集海洋工程研究院有限公司。2012年在上海设立中集船舶海洋工程设计研究院有限公司。2013年底，中集又收购了瑞典能力卓越的海洋工程设计公司Bassoe Technology AB(BTAB)90%的股权，2015年收购挪威海工设计公司Brevik Engineering AS(BE)，进一步夯实了海工制造业的基础，设计能力达到了世界领先水平。

记者了解到，要保证钻井平台的稳定性，需要依靠DP3定位系统、结构设计优化等，这是非常复杂的事情。“一张设计图纸的数据量就有上百GB，需要几十位工程师，分成分机、管、电等多个小分队完成不同部位的设计，最后进行共享调整。”吴三强说，自主研发的钻井平台，代表着中集中高端设计方面的能力，丰富了EPC总包经验，夯实了中集在海工完整产业链装备的竞争优势。

有成熟天然气储运及分销的基础设施供应。

“可燃冰与天然气储运的总体原理近似，需要新的技术来适应可燃冰的装备，也需要进行装备的升级改造和适应性调整。从国内千亿级天然气装备市场来看，可燃冰商业化后，市场容量是巨大的。”吴三强说。

好收成 好收入 好生活

人民日报

中企助美国“铁锈地带”小镇重焕光彩

记者日前走访了位于美国印第安纳州墨隆小镇的中集车辆集团墨隆公司。墨隆公司曾3次破产，被中集收购后扭亏为盈，并不断扩大生产。导致这一变化的秘诀是什么？用中集车辆集团墨隆公司首席执行官查尔斯·玛德的话说，就是美国生产经营团队的“地方智慧”搭上了中集“全球运营”的快车，通过优化流程、削减成本，让一个破产关停的企业一跃成为美国“铁锈地带”腹地的明珠。

收购破产企业，市场占有率猛增

走进中集车辆集团墨隆工厂，只见大门与车间之间的空地上，停满了一架架巨大的厢式挂车，工人正在完成最后一道工序，验收后即可出厂。

车间内，车架焊接、防护栏安装、厢内地板铺设，十几道流程井然有序，工人配合默契。在入口看到的还是钢铁骨架、铝板等原材料，在出口就是成型的挂车了。玛德介绍说，现在该工厂每天能够生产50台挂车。

目前在美国，中集车辆集团的骨架车市场占有率排名第一，干厢车排第五，冷藏车排第四。2011年，中集车辆集团墨隆公司税后利润438万美元，首次实现盈利，此后逐年增长，到2015年，营业收入接近

5亿美元。近年来，中集车辆集团墨隆公司在美国生产、销售的半挂车均超过1万辆，其中很多是利润率较高的冷藏车等专业车辆。2016年，中集车辆集团墨隆公司在佐治亚州投资3000万美元的第二家工厂正式投产，目前有125名工人，未来将增加到400人。

2002年，中集集团组建中集车辆集团，进入半挂车行业。美国是世界上最大的半挂车市场，而地处美国“铁锈地带”腹地的印第安纳州是仅次于密歇根州的第二大汽车产地。当时，北美市场排名第八的墨隆HPA公司第三次申请破产保护，被中集车辆集团收购，成为其全资子公司。

整合集团资源，提质增效明显

印第安纳州工业基础好，车辆制造产业聚集，距离芝加哥、孟菲斯等美国物流中心不远，靠近市场，具备区位优势。不过，运营这家企业并不容易，北美市场竞争激烈，半挂车市场标准不同，供应链复杂，成本居高不下，再加上2008年的金融危机，市场急剧萎缩，企业陷入困境。

中集车辆集团董事总经理李贵平回忆说，当时，中集车辆集团墨隆公司董事会只有两种选择，或者停止公司的营运，或者通过精简、调整来挽救公司。

中集车辆集团选择了整合：让中集车辆集团墨隆公司加入整个集团的

供应链和价值链。在中国设立零部件工厂，生产部分零部件，供应中集车辆集团墨隆公司。同时利用集团规模优势，帮助中集车辆集团墨隆公司通过谈判获得价格更加优惠的零部件。

中集车辆集团墨隆工厂首席运营官、采购经理克莱格·祖博卡告诉本报记者：“中集车辆集团在资金、设备、采购、技术等方面给墨隆公司提供了全方位的帮助和指导。中集车辆集团是世界领先的半挂车企业，墨隆公司加入整个集团的采购计划，可以从供应商那里获得其他企业享受不到的价格优惠，采购成本大幅下降。”

工厂蒸蒸日上，小镇迎来新生

对于中集车辆集团来说，成功经营中集车辆集团墨隆公司不仅为深度进入美国市场打下了基础，也成为其全球市场布局的重要一环。目前，集团在美国已有4家注册公司、6家工厂。对于墨隆这个小镇来说，墨隆工厂不仅意味着一份情结，更是实实在在的工作机会。

在工厂北部经营餐馆的凯利·韦斯特豪斯向本报记者介绍，墨隆工厂在上世纪中期就开始运营了，对墨隆的意义非比寻常，他的祖父就在这家工厂开始了其职业生涯。更为重要的是，对墨隆这座人口不到2000人的小镇来说，工厂关系到很多人的饭碗，十几年前工厂停工破产的时候，工人们不得不到几十公

里之外的拉法叶特市重新找工作。韦斯特豪斯表示，毫不夸张地说，整个墨隆的情绪同工厂的兴衰密切相关。“我们经历过数度悲喜，现在看到工厂蒸蒸日上，整个小镇都感到高兴。”

目前，中集车辆集团墨隆工厂有475名工人，多数来自墨隆及周边地区，其中不少是没有技能的工人、再就业困难的中老年人。同时，中集车辆集团墨隆工厂还是怀特县最大的雇主。印第安纳州蓝领工人占全部就业人员的16.7%，居美国各州之首。制造业就业机会对该州至关重要。祖博卡说，公司被中国企业收购之后不仅工作机会没有流失，还为印第安纳州提供了

整合的好处不仅仅是这些。玛德介绍说，墨隆公司同中集车辆集团其他公司深度融合、对接。比如说，关键零部件的焊接等都在中国上海的工厂完成，这些零部件运输到墨隆公司，简化了程序，提高了效率，能够快速应对变化的市场。墨隆公司不用在非核心业务上投资，能够在行情好时快速扩张，在行业不景气时快速调整，保持利润。目前，墨隆公司已经成为中集车辆集团北美公司中生产效率最高、资本回报率最高、人均效率最高的企业。玛德兴奋地说：“这都得益于加入了中国的全球价值链和供应链。”

更多就业机会。镇长蒂姆·布朗在接受本报记者采访时说：“中集车辆集团到来之前，工厂已经停工两年，这对我们来说是一个煎熬。现在墨隆公司获得了新生，并且公司同社区关系非常好，热心支持社区的活动和建设，我们欢迎更多中国投资。”

玛德说，北美公司的经营团队了解本地市场，拥有“地方智慧”，加入到中集车辆集团“全球运营”中去，搭上了快速发展的列车，这一经营模式受到本地很多企业的重视。正是加入中集车辆集团，墨隆这个地处“铁锈地带”腹地的小镇重新焕发了光彩。

好收成 好收入 好生活

重大项目统筹... 规模化、集... 收益增加10... 镇带有客家... 统一规划建设... 为村民“土地... 一向银行提供... 作质押，逐年... 到，像他这样... 付款”了。

与200公里外... 村联光村... 产方式的落... 失……引进... 富是广东扶... 生产生活方式... 性地推动... 贫困村初

边 出 流 彩

入 民 日 报

Chinese Enterprise Injects Life into American "Rust Belt" Town

A few days ago, the reporter visited CIMC Vehicles Group (Molong) Co., Ltd. in Molong Town, Indiana, US. Molong Company went bankruptcy three times, and it turned profitable and expanded production after being acquired by CIMC. What is the secret behind this? Just as Charles Matel, CEO of CIMC Vehicles Group (Molong) Co., Ltd., explained, "it is 'local wisdom' of American production & management team that gets on the fast train of CIMC's global operation," that is, the bankrupt company rises to become a pearl of American 'Rust Belt' through optimizing the process and cost cut."

When we went into the factory of CIMC Vehicles Group (Molong), there were large van trailers on the open space between the gate and the workshop, and workers were doing the acceptance test, and vehicles would be delivered after passing the test. In the workshop, everything went neat and orderly: frame welding, guard rail installation and floor covering. Steel skeleton, aluminum plate and other raw materials seen at the entrance began to take shape at the exit. Matel said the factory can produce 50 trailers every day.

Currently in the US, the market share of skeletal vehicle, dry van vehicle and refrigerator truck produced by CIMC Vehicles Group ranks No.1, No.5 and No.4 respectively. In 2011, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2012, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2013, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2014, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. 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In 2020, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2021, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2022, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2023, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2024, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2025, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2026, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2027, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2028, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2029, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2030, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2031, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2032, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2033, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2034, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2035, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2036, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2037, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2038, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2039, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2040, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2041, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2042, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2043, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. In 2044, CIMC Vehicles Group (Molong) Co., Ltd. had after-tax profit of USD4.38 million, turning profitable for the first time; its profit grew 90%, and its operating revenue reached 1.2 billion USD. 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Bankrupt Company's Market Share Surges after Being Acquired

In the future.

In 2002, CIMC established CIMC Vehicles Group and entered semi-trailer industry. America is the world's largest semi-trailer market, and the "Rust Belt" Indiana is the second largest auto manufacturing state after Michigan in America. At that time, the 8th largest company Molong-based HPA in North American market filed for bankruptcy protection for the third time, then it was acquired by CIMC Vehicles Group and became the latter's wholly-invested subsidiary.

Indiana has good industrial base and auto manufacturing industrial cluster, and it is close to American logistics centers like Chicago, Memphis as well as markets. However, it is not easy to run this company in the fiercely competitive semi-trailer market in North America, complicated supply chain, rising cost and 2008 financial crisis and shrinking market work together to put the company under stress. Li Guijing, Managing Director of CIMC Vehicles Group, said, "At that time, the board of CIMC Vehicles Group (Molong) Co., Ltd. had only two choices—halt operations or restructure."

CIMC Vehicles Group chose the latter: make plan allows Molong to access good prices and bring down procurement cost significantly."

Matel said in excitement: "This is all attributed to becoming part of China's global value chain and supply chain."

Factory Thrives, the Small Town Becomes Alive

For CIMC Vehicles Group, the successful operation of CIMC Vehicles Group (Molong) not only lays a solid foundation without exaggeration that everyone in Indiana," Town mayor Tim Brown said during the interview: "Before CIMC Vehicles Group comes, the factory halted ups and downs. Now everyone is pleased to see the factory is alive and booming again."

Currently, CIMC Vehicles Group (Molong) factory hires 475 workers, and most of them come from Molong and surrounding areas. Many of them lack skills or have difficulty finding a job. Meanwhile, CIMC Vehicles Group (Molong) factory is the biggest employer of White County. Blue-collar workers in Indiana comprise 16.7% of all employees, topping the other states of US. Manufacturing job opportunities matter a lot to this state. Clegg said,

Integrate the Groups Resources, Achieve Remarkable Result

The advantages of integration are far more than these," Matel said, "Molong also makes in-depth integration with other subsidiaries of CIMC Vehicles Group. For instance, key components are welded in Shanghai factory and then carried to Molong, which has simplified the procedure, increased the efficiency and made it quicker to respond to changing markets." Molong doesn't invest in non-core business, so it can seek rapid expansion in good times and make quick adjustments in bad times to stay profitable. Currently, Molong has become the most productive, profitable and efficient company for Molong. CIMC Vehicles Group is the world's leading semi-trailer company, so making Molong join the Groups procurement plan allows Molong to access good prices and bring down procurement cost significantly."

南方日报

“Blue Whale No.1” Came into Being

CIMC's "Marine Dream"

It is capable of reaching the moon and collecting "ice" deep in the ocean. In recent days, China successfully collected samples of combustible ice in the ocean. In the Shenhu waters of the South China Sea, China Geological Survey of Ministry of Land and Resources successfully extracted natural gas from a depth of 1,266 meters underwater.

Shareholder of this company. Then CIMC began to engage in construction business of special ships and offshore engineering.

Due to its huge economic value and strategic significance, natural gas hydrate (also known as "combustible ice") attracts much attention. It is little known that the successful mining of combustible ice would be impossible without a Shenzhen-based enterprise whose drilling rig has played a key role in the job.

The platform is called "Blue Whale No.1". CIMC Raffles Offshore Limited (CIMC Raffles). "Blue Whale No.1" offshore drilling rig succeeded in mining combustible ice in the South China Sea, representing a major technological breakthrough in this field. It has paved the way for commercial exploitation of combustible ice.

How does this combustible ice "collector" come into being? Nanfang Daily reporter uncovered the secret of "Blue Whale No.1".

Presently, CIMC is a world's leading offshore engineering equipment manufacturer. As an enterprise dedicated to the design and construction of deepwater semi-submersible drilling platform. CIMC Raffles grabs 25% market share of global deepwater semi-submersible drilling platform.

high-end industry. That's why CIMC entered offshore engineering industry, entered offshore engineering industry, global market was dominated by Europe and US, Singapore and Korea and China was far lagged behind technologically," He told the reporter, "To become a world-class company, CIMC must achieve industrial upgrading and move towards high-end industry. That's why CIMC came into being? Nanfang Daily reporter uncovered the secret of "Blue Whale No.1".

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Do you know how incredible "Blue Whale No.1" is?

Let us take a simple look at the data: Broke two world records, the world's most advanced ultra-deepwater drilling platform, equipped with 27,354 devices and 40,000+ pipelines.....

"Mining combustible ice is a big problem in the world, so specialized equipment matters a lot, and this equipment used to be provided by Japan, Korea, Europe and US. CIMC-made 'Blue Whale No.1' represents a major breakthrough," Wu Sangqiang said, "Blue Whale No.1" is a drilling rig independently designed and developed by CIMC, and it possesses independent intellectual property right." It can operate at the maximum depth of 3,658 meters underwater and its maximum drilling depth reaches 15,240 meters. Currently, it is the world's semi-submersible drilling platform with maximum operating water depth and

"The combustible ice mining suggests there is an enormous amount of energy reserves. Offshore platform should be capable of resisting winds and waves. As it faces technical problems of stability and safety, it requires technical support of core equipment," Wu Sangqiang said, "Drilling platform is a big project. Take 'Blue Whale No.1' for example, the construction cost of this semi-submersible platform is USD700-800 million, of which 60% is spent on equipment. It takes 3 years to complete went into operation soon.

ahead of the world in deepwater oil and gas exploration and development. Pan Xiliu, senior manager of CIMC Offshore Strategic Development Dept. and Project Development Dept. said, "Currently, CIMC Offshore has delivered 10 deepwater semi-submersible platforms and 11 jack-up drilling rigs, which are operating in major offshore oil & gas producing regions, e.g. the North Sea, Brazil, Mexico, Caspian Sea and the South

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"Blue Whale No.1" Equipped with More Than 40,000 Pipelines

"We carried out major changes on technological design, changed the mode of building semi-submersible drilling platform with the world's strongest 'Taisun' crane with a safe working load of 20,000 metric tons and solved the problem of delivery time of semi-submersible platform," Wu Sangqiang said, "It took CIMC just 9 months to design such a national advanced equipment, which is 3 months less than standard design period."

On August 16, 2016, CNPC Offshore Engineering Company Limited signed technical service contract with CIMC Raffles based on the "Blue Whale No.1" drilling platform. At 1:00 p.m., March 6, 2017, CIMC-built "Blue Whale No.1" was ready, it set out in Yantai and arrived at the drilling location after 8 days of voyage.

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"Golden Time" of Combustible Ice Industry Chain

so it has well-developed facilities for gas storage, transportation and distribution.

"Combustible ice and natural gas share similarities in storage and transportation methods. New technology is needed for combustible ice, and equipment relating equipment is needed NGH also a must. From the perspective of 100-billion-yuan natural gas equipment market, there will be a huge market space following the commercialization of combustible ice," said Wu Sangqiang.

Esife Handled Over 1 Million Parcels on 618 E-commerce Day

June 18, 2017 is a big day for JD Mall and terminal, delivery locker plays a vital role in the entire eco-chain. Esife saw a record high in the utilization rate during the "618" campaign, marking that delivery locker has become a major tool of end-to-end delivery.

On June 20, the average turnover rate of Esife in Beijing, Shanghai, Guangzhou, Shenzhen and Foshan hit 110%. More than 1 million of parcels are delivered every day, twice the figure during the "1.11" campaign in 2016. The turnover rate of Esife locker in Beijing, Shanghai, Guangzhou and Shenzhen is the highest in the industry (excluding school products); the number of parcels delivered on a daily basis surpassed 650,000 lockers in first-tier cities during 2015-2017.

At present, Esife is carrying out Series B Financing, and it will quickly expand to first- and second-tier cities once funds are in place. Effective scale should be guaranteed to drive Esife's profitability.

in first-tier cities.

data of delivery locker provide convincing proof in this point.

Esife is mainly found in Beijing, Shanghai, Guangzhou and Shenzhen, and there will be at least 500% increase in the parcels put into lockers in first-tier cities during 2015-2017.

C&C Trucks Crowned "2017 China Truck Open Championship"

On June 11, 2017, "2017 China Truck Open Championship" came to a close in Beijing. Trucks in Beijing, Tianjin and Tangshan said, "China Truck Open Championship is a professional competition platform, so it has claimed 6 trophies, such as championship titles in the 1st and 2nd rounds of the final, 12L team championship, runner-up title for driver as well as the championship of the brand. C&C Trucks will continue to follow customer-centric strategy, deliver superior products and services and expand markets step by step.

Regional manager Liu Zhongcheng of C&C

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CIMC Modular Building Delivered the Trafford G4 Holiday Inn Express within 39 Weeks

On May 19, 2017, the 4th generation of Trafford HIE hotel located in the center of Trafford City, Manchester opened, which Trafford Park and England's second largest was built by CIMC Modular Building. It took exhibition center-EventCity.

CIMC Modular Building just 39 weeks to build 220 guest rooms from groundbreaking to completion, half the time spent on traditional buildings, which broke the local record in construction period and became the project of InterContinental Hotels Group completed in the shortest period of time.

The hotel provides F&D, bar, fitness and conference services. It is close to the largest

It is learned that by the end of 2017, CIMC Modular Building will deliver more than 2015 modular houses with approximately 3,500 rooms. The brand of CIMC Smart Manufacture built by CIMC Modular Building is now booming everywhere in England.



CIMC Finance Company Got Membership of Shanghai Commercial Paper Exchange and Listed in Its Trading System

On March 27, 2017, CIMC Finance Company got membership of Shanghai Commercial Paper Exchange the real economy of bill market service by creating bill trading platform. CIMC Finance Company joins SCPE and gets incorporated into national bill trading platform, which helps improve CIMC's bill operating capability on a national scale and boost the integration of CIMC's industry and trusteeship, clearing and settlement and information service. It went into operation on December 8, 2016. SCPE establishment is an important measure of deepening financial reform and development in China, which will greatly improve transparency and trading efficiency of bill market, spur market vitality and better avoid bill business risks. Meanwhile, this will also help improve the central banks financial regulation, optimize currency and low-cost funds for enterprises. CIMC Finance Company provides quick channels of financing and facilitates transactions. In bill of paper note and electronic bill realizing concentrated management of paper note and electronic bill business. Presently, about 100 member enterprises of CIMC get free access to this system.



The Kick-off Meeting of 2017 CIMC Smart Valley Cup "Win in Dongguan" Scientific and Technological Innovation & Entrepreneurship Competition Was Successfully Held



Currently, national subject challenge has attracted CIMC, TCL, Plug And Play, Roco and other companies; it engages many entrepreneurs and attempts to find "dark horses" so as to facilitate integration of resources and services across the Taiwan Straits and achieve collaborative innovation. CIMC released 50+ subjects on five areas of intelligence, environmental protection, material, industrial IoT and professional skills according to its own needs for innovation, upgrading and development. They involved intelligent manufacturing, intelligent product, environmental technology, energy-saving technology, intelligent monitoring system, welding technology, laser technology, new materials, etc. CIMC hopes to realize effective integration of innovative technology and collaborative development through pertinent competitions.

Qin Gang mentioned, "Win in Dongguan" Scientific & Technological Innovation & Entrepreneurship Competition is vigorously promoting the development of Dongguan's innovation & entrepreneurship; in an era of "Mass entrepreneurship and innovation", Dongguan and enterprise teams. It is learned that the "Win in Dongguan" Scientific & Technological Innovation & Entrepreneurship Competition ("City Competition") is the highest-level innovation & entrepreneurship event in Dongguan. It has been held four times consecutively. Apart from the "In-City Competition" this year, there is also the "Beyond-City Competition" (domestic and international). Domestic competition is held in Shenzhen and international one in the US, which is intended to "introduce talents" from all over the world and bring in more excellent innovation & entrepreneurship projects and teams.

On June 5, 2017, the kick-off meeting of the 6th China Innovation & Entrepreneurship Competition of Hong Kong, Macau and Taiwan, 2017 CIMC Smart Valley Cup "Win in Dongguan" Scientific and Technological Innovation & Entrepreneurship Competition took place at CIMC Smart Valley Industrial Park, Songshan Lake, Dongguan.

The meeting was attended by about 350 people, including An Lei, director of MOST Torch Center Fund Office, Yang Jun, deputy director of Guangdong Provincial Department of Science and Technology, Huang Qinghui, deputy mayor of Dongguan Municipal People's Government, deputy secretary-general Chen Qingsong, Wu Shiwen, director of Dongguan Municipal Bureau of Science & Technology, CIMC president assistant Qin Gang, CIMC Industry & City deputy Development Center general manager

CIMC Got the Order of 300-Million-Yuan Boarding Bridges from Shanghai Pudong International Airport

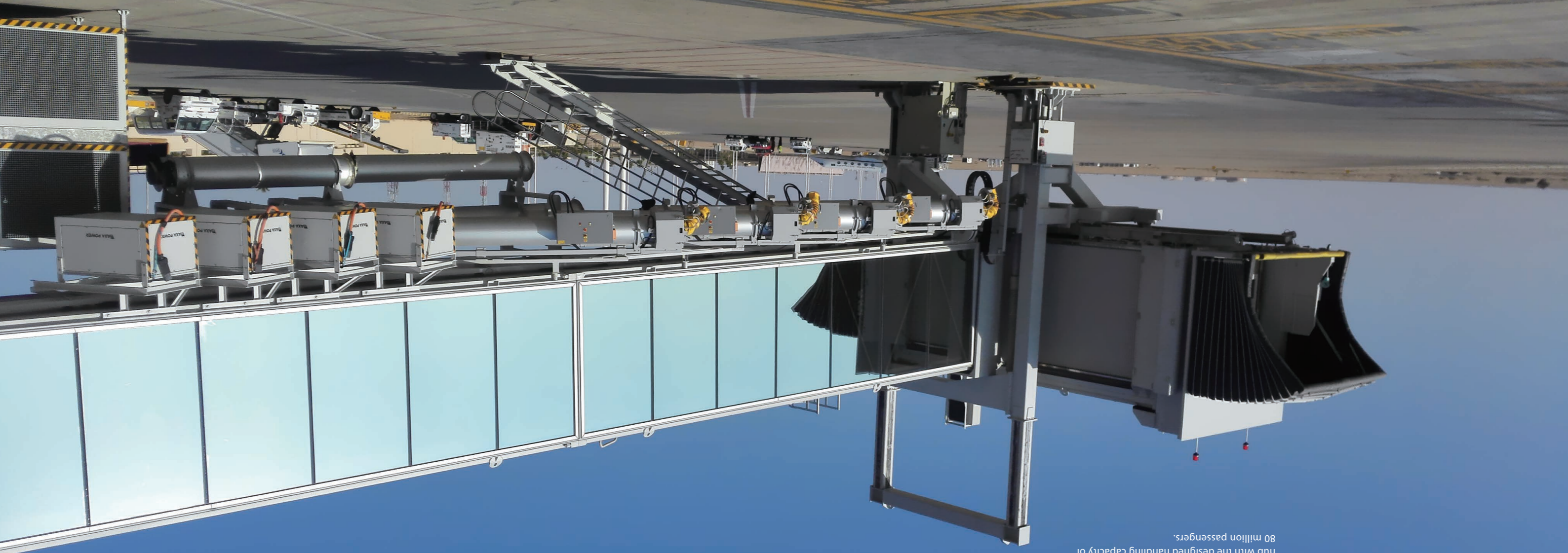
CIMC Tianda built nearly 6,000 boarding bridges, accounting for **40%** of global market share.

On May 26, 2017, CIMC Tianda won the bid of 162 boarding bridges of Shanghai Pudong International Airport Extension Project Phase III, which was worth 296.46 million yuan. This broke the record of CIMC Tianda's bid of 170-million-yuan boarding bridges of Beijing Daxing International Airport, becoming the single biggest order in the market of boarding bridge in China. So CIMC Tianda is the sole provider of all boarding bridges for Shanghai Pudong International Airport Phase I-Phase III, so it will play an important part in this aviation hub with the designed handling capacity of 80 million passengers.

It is noteworthy that aside from A380 boarding bridge, CIMC Tianda will also provide two T-shaped boarding bridges for domestic airport for the first time. So this has changed the history there was no home-developed T-shaped boarding bridge in China, marking a new breakthrough in the product line of China-built boarding bridge. When a plane and terminal (or fixed end) are quite closed to each other, ordinary rotary, retractable boarding bridge doesn't work as well as T-shaped boarding bridge does, and the latter is more efficient.

It is learned that CIMC Tianda has won the bid of 480+ boarding bridges of airports at home and abroad so far this year, including Beijing Daxing International Airport, Gullin Lianjiang International Airport, Santiago de Chile Airport, Abha Regional Airport, Amsterdam Airport Schiphol, Melbourne Airport, etc. This successful bidding will also help CIMC Tianda increase its share of overseas business makes up 50% of CIMC Tianda's entire boarding bridge business. The 6000 boarding bridges built by CIMC Tianda constitute approximately 40% global

and influence in global boarding bridge market. So far, CIMC Tianda has provided safe and comfortable experience.



CIMC Logistics Ranked No.8 Among 2016 Top100 China Freight Forwarding & Logistics Enterprises

Recently China International Freight Forwarders Association (CIFA) and Transportation respectively. The member lines, namely, global container operation enterprise of CIMC Logistics-Zhenhua Logistics Group ranked No.13 on Top 100 Freight Forwarders List, No.13 Warehouse Forwarding & Logistics Enterprises Ranking, and the list included top 100 freight forwarders, warehouse, sea transportation, land transportation, air transportation and private enterprises.

CIMC Logistics ranked No.8 on Top 100 Freight Forwarders List, No.3 Warehouse List.

CIMC Logistics is always committed to developing integrated logistics service capability, increasing logistics efficiency, reducing logistics cost and creating social value. It focuses on five business lines, namely, global container operation & management, shipping and project logistics service, multimodal transportation, equipment logistics and contractual logistics. It aims to become the world's largest container operation & management service provider and world-famous "equipment+service" logistics solution provider.

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CIMC TianDa Won the Bid of Ground Air-conditioner Project of Hong Kong International Airport (HKG)

On May 15, 2017, CIMC TianDa Jirong Air Refrigeration Co., Ltd. obtained another order of ground air-conditioning project from HKG North Satellite Concourse. According to CIMC TianDa Jirong general manager Chen Zhe, the air-conditioning unit was designed strictly according to Hk airport requirement and new structure was put into operation at Hong Kong International Airport. This order enables CIMC TianDa Jirong to provide almost all ground air-conditioners for rainy climate all year round. So it presents rigorous anti-corrosion requirement on air-conditioning unit. CIMC TianDa Jirong's aircraft air-conditioning unit can function well in such harsh conditions.

Besides, the unit also features low noise, low-temperature air distribution, fast cooling, energy efficiency and environmental friendliness, etc.

TianDa Jirong enters markets in Kenya, Tanzania, Panama, Brazil, Turkey, Poland, etc. So far, CIMC TianDa Jirong has delivered more than 680 aircraft air-conditioners to 33 airports all over the world, including 350 aircraft air-conditioners serving 10 overseas airports, which makes up over 50% of international market.

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CIMC Raffles Signed a Deal on Deepsea Intelligent Net Cage Aquaculture Equipment Manufacturing Project



On May 23, 2017, Norway-China Seafood & Aquaculture Summit 2017 was held in Beijing. CIMC Raffles and Norwegian famous equipment manufacturer Kongsberg Maritime signed the *Memorandum of Understanding on China Aquaculture Net Cage High-end Equipment Exclusive Supply*, which not only deepened the strategic cooperation between both parties, but also helped advance China's intelligent fishery equipment.

Kongsberg Maritime operates as a world-famous company mainly specializing in R&D of automatic detection and control equipment of marine oil and gas, fishery, shipping, etc. CIMC Raffles is a high-end marine equipment manufacturer integrating R&D, design, manufacture and commissioning. It boasts international advanced facilities

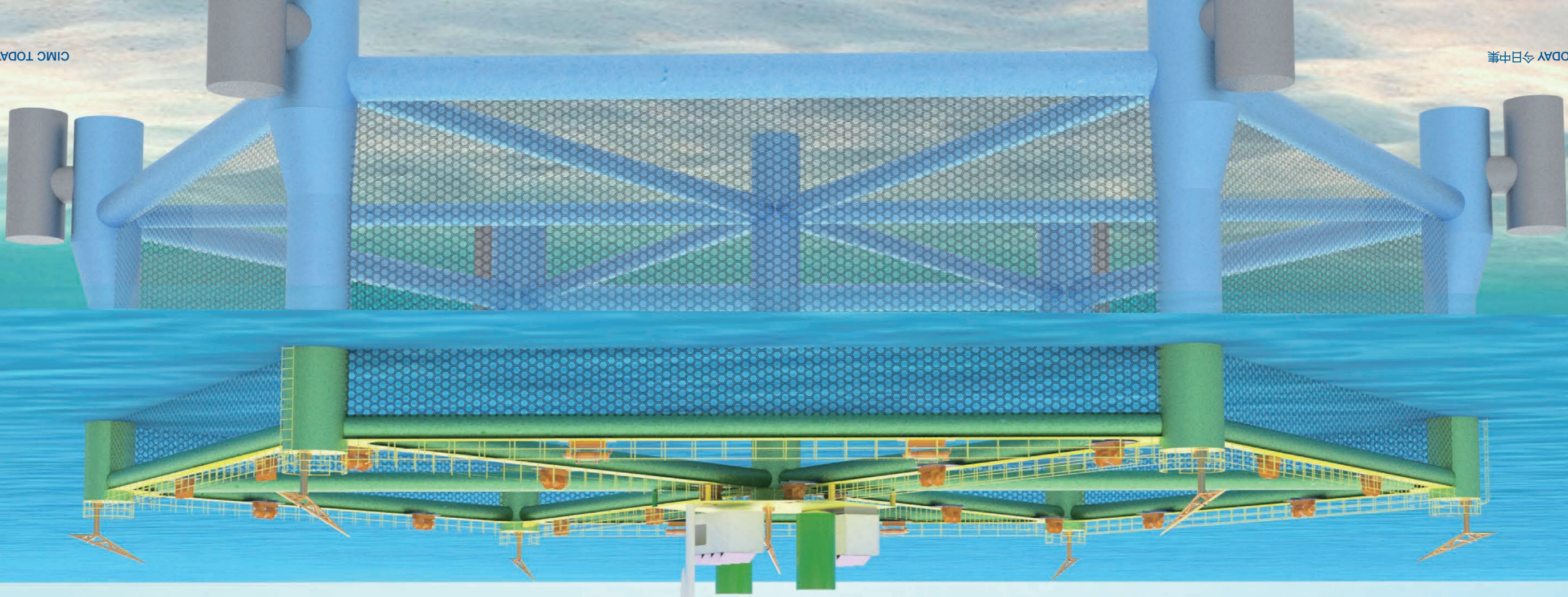
and technologies. With strong cooperation, intelligent bottom-supported net cage is underwater monitoring system and underwater light will be introduced to ensure stable and precise operation of net cage system and help improve overall quality of China's marine aquaculture.

On May 24, 2017, CIMC Raffles and Changdao Jiayi Marine Product Development Co., Ltd. (Changdao Jiayi) signed the construction contract of *25*25 Jack-up Aquafarm Platform and Hex box C15-35K Deepsea Intelligent Bottom-supported Net Cage*, and CIMC Raffles signed the construction contract of Hex box C30-75K Deepsea Intelligent Bottom-supported Net Cage with Changdao Hongxiang Marine Product Development Co., Ltd. (Changdao Hongxiang).

The Hexbox C15-35K and Hexbox C30-75K advanced net cage underwater monitoring system and underwater light will be introduced to ensure stable and precise operation of net cage system and help Chinese waters. Norwegian Ocean Aquafarms AS Company provided technical support. CIMC Raffles made detailed design and completed project construction, commissioning and delivery at Longkou shipyard.

According to insiders, traditional cage culture of black skirt tetra is cultured, it will produce annual net profit of 7.468 million yuan in it can bring handsome economic returns to coastal tourism resources. More importantly, users. Take C15-35K (15 meters) for example, if black skirt tetra is cultured, it will produce annual net profit of 7.468 million yuan in theory. It is without doubt that the two projects represent CIMC Raffles has achieved another breakthrough in marine fishery equipment, which helps accelerate the intelligentization of Chinese fishery equipment.

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CIMC Raffles Delivered 2 High-end Cruise Ships and 4 Yachts

On June 7, 2017, two "Xunxian" cruise ships and four 99-seat "Qixian" yachts designed and built by CIMC member enterprise CIMC Raffles were delivered to the wholly-invested subsidiary of Beibu Gulf Tourism Co., Ltd. (Beibu Gulf Tourism) – Yantai Xinyi Cruise Ship Co., Ltd. (Xinyi Company) at Yantai shipyard and Longkou shipyard respectively. This is the remarkable result CIMC Raffles has achieved in tourism supply-side reform, which has enhanced CIMC Raffles' independent development and mass production capability in high-end cruise ship and yacht and helps increase brand influence of high-end marine tourism of both companies.

"Immortal" Element Added to Cruise Ship and Yacht

The two "Xunxian" cruise ships delivered representing CIMC Raffles' first attempt to make high-end cruise ship for sightseeing tour of Changdao waters of the Bohai Sea. In cultural concept, "Xunxian" absorbs the culture of "eight immortals", interprets the concept of immortal mountain on the sea, develops seven cultivation activities centering on food and "seeking immortal platform" for tourists, allowing them to feel "immortal" atmosphere. In style, instead of the "China Dragon" is adopted design, making it look streamlined and peculiar. In construction technology, ordinary steel porthole is replaced by large glass porthole, safe and beautiful, been recognized by China Classification Society. In addition, underwater light and nano coating can also be found on "Xunxian" ship for the first time. In tourism service, "Xunxian" features illusory space, casual restaurant, creative souvenir store and dream theme space, fully satisfying diverse tourist needs.

Continuously Gather Force for Tourism Supply-side Reform, Build World-Class Cruise Ships and Yachts

Four 99-seat "Qixian" yachts are another premium project built by CIMC Raffles for tours of coastal routes of Qinhuangdao, Kongtong Island and islands. "Qixian" yacht features unique shape with battleaxe bow and streamlined design, looking beautiful, safe and comfortable. In construction technology, the hull and superstructure are made of steel, safe and embracing a golden age; however, tourism product supply cannot meet public needs for quality travel. So tourism sector is in this opportunity of tourism supply-side reform and launch "Xunxian" and "Qixian" high-end coastal tourism projects, enabling more consumers to enjoy "superior" marine tourism service and both companies to win new growth opportunities.



"China successfully extracted natural gas hydrate at sea for the first time," Minister of the Land and Resources Jiang Daming announced on the "BLUEWHALE 1" drilling platform operating in the Shenhu area of the South China Sea on May 18, 2017. This means China becomes the first country in the world that has mastered the natural gas hydrate (also called "combustible ice") mining technology, marking a milestone in safeguarding China's energy security and optimizing energy structure. Gao Yu, Director of the Supervision and Inspection Office of the General Office under the State Council, delivered a congratulatory message from the CPC Central Committee and the State Council on the ceremony.

The "BLUEWHALE 1" drilling platform, which undertook such a strategic mission to mine combustible ice at sea successfully, is the most advanced ultra-deepwater dual-rig semi-submersible drilling platform in the world. It is independently designed and constructed by CIMC Raffles Offshore Limited (short as "CIMC Raffles") and jointly operated by Tianjin TEDA Bluewhale Offshore Engineering Technology Co., Ltd. and China National Petroleum Offshore Engineering Co., Ltd based on an operation service contract.

The officials and leaders present on the ceremony also included, among others, Liu Ministry of the Land and Resources, was in charge of the trail mining of natural gas hydrate in the Shenhu area of the South China Sea. Under the leadership of the CPC Central Committee and the State Council, Wang with the high-level supports from the Ministry of Finance, the National Development and Reform Commission and the Ministry of Science and Technology, and in collaboration with CNPC, CIMC Raffles and other units involved, the CGS extracted natural gas hydrate from the deposits in the Shenhu area of the South China Sea, drilling 203-277 meters below the depth of 1,266 meters and Li Yinhu, CIMC Raffles President Wang Jianzhong and Vice-President Liu Yanjia.

China Overfulfills the Projected Goal of Combustible Gas Trail Mining, Becoming

The China Geological Survey (CGS), under the Ministry of the Land and Resources, was 3:00 p.m. on May 17, the accumulated gas output had reached 113,200 cubic meters. The average output a day is about 16,000 cubic meters, and the highest output in one day is 35,000 cubic meters. 99.5% of the gas extracted is methane. The trial mining is carried on as planned with stable output, and the projected goal of extracting natural gas hydrate for one week continuously with a daily output of 10,000 cubic meters has been overfulfilled.

The World's Frontrunner in Combustible Gas Exploitation and Development

Shenhu area of the South China Sea officially commenced on Mar. 28, 2017 and the flare was ignited at 2:52 p.m. on May 10 after more than 40 days of hard work day and night. By 3:00 p.m. on May 17, the accumulated gas output had reached 113,200 cubic meters.

This is China's and also the world's first success in mining muddy silt type natural gas hydrate in a safe and controllable manner. Muddy silt type natural gas hydrate is a kind of mineral resource that accounts for 90% of world resources and is most difficultly exploitable. The success of this project accumulates solid technical reserves and valuable experience that the trial mining of natural gas hydrate in



CIMC CEO & President Mai Boliang sends his condolence to the foreign workers in the pilots compartment of the "BLUEWHALE 1" drilling platform.

for commercial development and exploitation power and a sci-tech power and to implement strategy highighting "deep-ground survey, deep-sea exploration and deep-space earth observation", and it is the touchstone of the of theory, technology, engineering and equipment, makes the historical leap from a "follower" to a "leader" in this field, and have important and profound implications for guaranteeing energy security, promoting green development and building a maritime power.

Zhong Ziran said on the launching ceremony on Mar. 28 that to propel the exploration of natural gas hydrate resources and safeguard the State's maritime sovereignty, Trail mining can not only help us examine the scientificity of the theory, technology and equipment system established early but also push forward the commercial exploitation of natural gas hydrate resources with the aid of deep-sea accessing, exploration and mining of natural gas hydrate at sea is of vital importance to the nation's economy and the people's livelihood, and it is pinned expectations of the country and people. The successful trail production of natural gas hydrate will lay a solid foundation for China to usher in a new era of energy utilization and create historical opportunities. The CPC Ministry of the Land and Resources expressed their high regard and have given several instructions on this issue.

Zhong Ziran further pointed out that the successful trial mining of natural gas hydrate is of great importance. The trail mining is a key initiative for China to build a maritime



The "BLUEWHALE 1" drilling platform that independently designed and constructed by CIMC Raffles. On the ceremony held on May 18, CIMC CEO & President Mai Boliang expressed that he was rather proud and excited about this trail mining. He said the highest level of marine drilling platform design and construction in the world, bringing China's deepwater oil and gas exploration and development ability into world advanced level. Moreover, it is an important practice for CIMC to implement the "Belt and Road" national strategy and fortify the country's high-end energy equipment strength.

BLUEWHALE 1: the country's important equipment that extracted combustible ice successfully

CNPC Vice-President Wang Dongjin added that CNPC highly valued and cherished this opportunity of "being first in China".

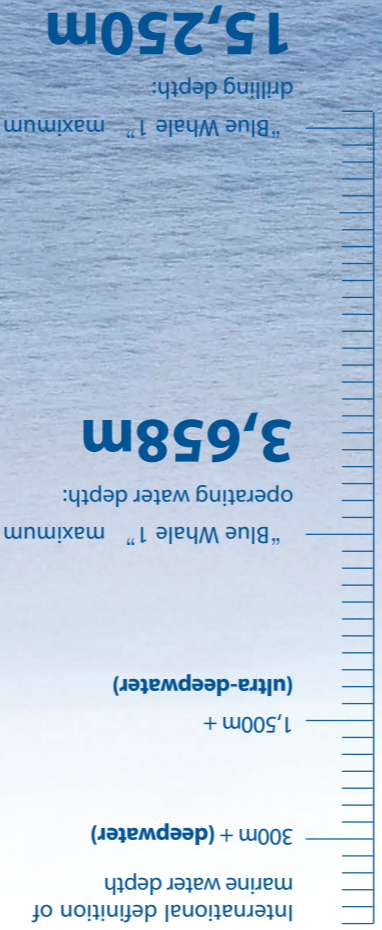
of course for CGS. technical problem solving projects. The successful trail mining of natural gas hydrate will be the first battle of solving technical problems that opens up the second century

CIMC "BLUEWHALE 1" Drilling Platform Procures China's First Success in Trial Mining of Seabed Combustible Ice

"China successfully extracted natural gas hydrate at sea for the first time," Minister of the Land and Resources Jiang Daming announced on the "BLUEWHALE 1" drilling platform operating in the Shenhu area of the South China Sea on May 18, 2017. This means China becomes the first country in the world that has mastered the natural gas hydrate (also called "combustible ice") mining technology, marking Corporation (CNPC), Wang Dongjin, Vice-President of the State Oceanic Administration, Li Jinfu, Deputy Director of the General Office under the State Council, delivered a congratulatory message from the CPC Central Committee and the State Council on the ceremony.

The officials and leaders present on the ceremony also included, among others, Liu Wei, Vice-Minister of Finance, Zhong Ziran, Party member of the Ministry of the Land and Resources and Director General of China Geological Survey, Li Chunsheng, Vice-Governor of Guangdong Province, Wang Yilin, Chairman of China National Petroleum Corporation (CNPC), Wang Dongjin, Vice-President of CNPC, Han Shui, Chief Engineer of National Energy Administration, Shi Qingfeng, Yu, Director of the Supervision and Inspection Office of the General Office under the State Administration, Li Jinfu, Deputy Director General of China Geological Survey, CIMC CEO & President Mai Boliang, Vice-Presidents Yu Xia and Li Yinhu, CIMC Raffles President Wang Jianzhong and Vice-President Liu Yanjia.

The "BLUEWHALE 1" drilling platform, which most advanced ultra-deepwater dual-rig semi-submersible drilling platform in the world. It is independently designed and constructed by CIMC Raffles Offshore Limited (short as "CIMC Raffles") and jointly operated by Tianjin TEDA Bluewhale Offshore Engineering Technology Co., Ltd. and China National Petroleum Offshore Engineering Co., Ltd based on an operation service contract.



China Overfulfills the Projected Goal of the World's Front-runner in Combustible Gas Exploitation and Development

China Geological Survey (CGS), under the Ministry of the Land and Resources, was in charge of the trial mining of natural gas hydrate in the Shenhu area of the South China Sea. Under the leadership of the CPC Central Committee and the State Council, with the high-level supports from the Ministry of Finance, the National Development and Reform Commission and the Ministry of Science and Technology, and in collaboration with CNPC, CIMC Raffles and other units involved, the CGS extracted natural gas hydrate from the deposits in the Shenhu area of the South China Sea, drilling 203-277 meters below the depth of 1,266 meters underwater.

Ye Jianliang, the field superintendent of CGS natural gas hydrate trial mining project, reported on the ceremony dated May 18 that the trial mining of natural gas hydrate in Shenhu area of the South China Sea officially commenced on Mar. 28, 2017 and the flare was ignited at 2:52 p.m. on May 10 after more than 40 days of hard work day and night. By 3:00 p.m. on May 17, the accumulated gas output had reached 113,200 cubic meters. The average output a day is about 16,000 cubic meters, and the highest output in one day is 35,000 cubic meters. 99.5% of the gas extracted is methane. The trial mining is carried on as planned with stable output, and the projected goal of extracting natural gas hydrate for one week continuously with a daily output of 10,000 cubic meters has been overfulfilled.

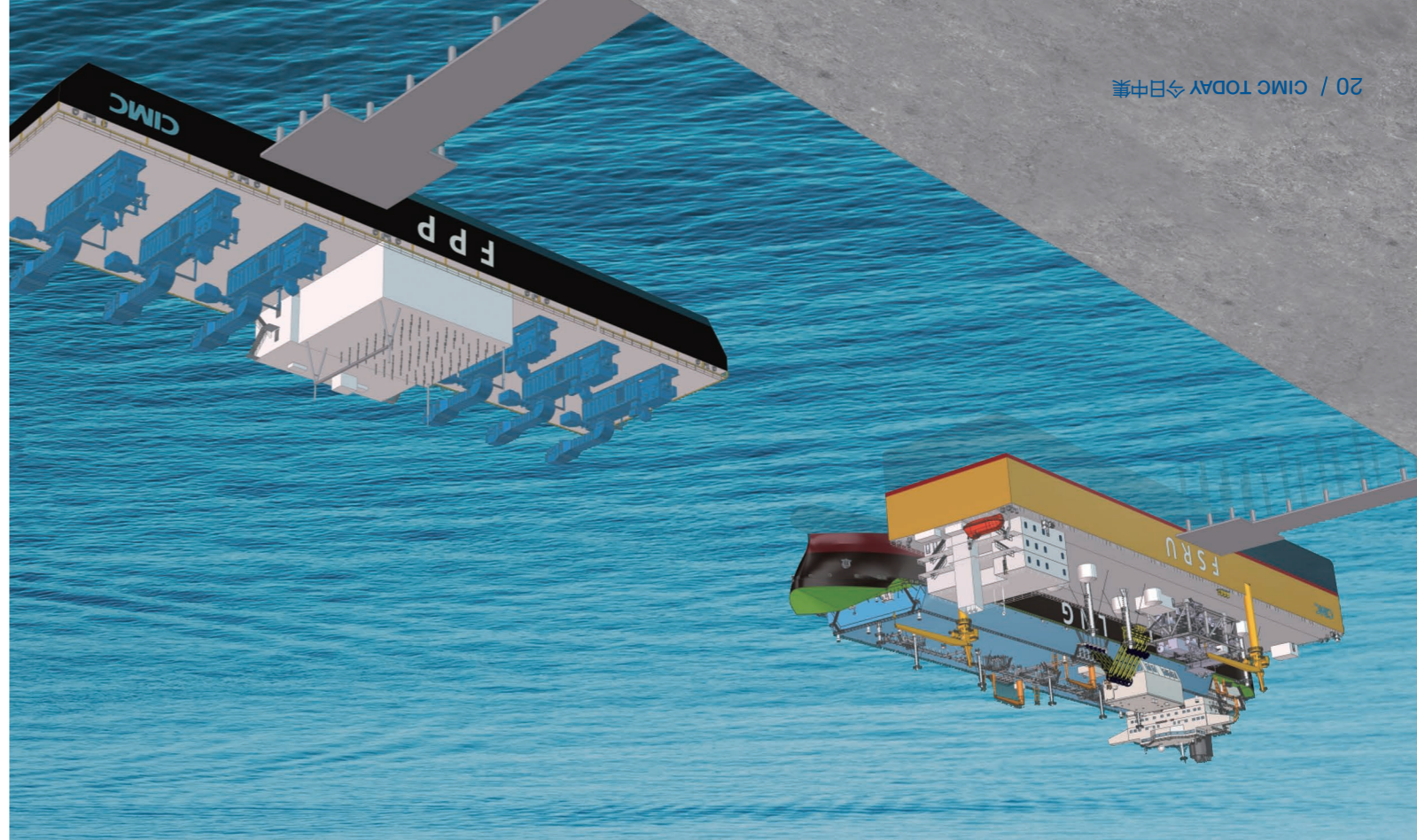
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CIMC Raffles' Floating Power Plant System Got Certified by International Authority for the First Time

Recently, the floating power plant and LNG-FSRU independently developed by CIMC Raffles passed AIP certification (ABS), that is, receiving LNG from LNG carrier, floating power plant and 24000-m³ LNG-FSRU all passed ABS certification. Normally, 1MW of electricity is sufficient for daily life of 20,000 residents in a small town. A power ship of 50MW-100MW can basically satisfy the needs of daily life and industrial production activities on a big island inhabited by 10,000 people, and a 24000-m³ LNG-FSRU can accommodate adequate amount of fuel to run a power ship for 20-30 days.

The floating power plant is mobile, international authoritative organization has passed the certification of an system of a Chinese enterprise which gasified before going to the power ship through flexible hose.

Simply speaking, a floating power plant is to move an integrated power plant onto a power ship plus a gas fuel supply cities, LNG-FSRU can also meet gas ship. Natural gas is clean energy, low-priced and environmentally-friendly.



National Engineering Laboratory of Offshore Engineering Assembly, R&D and Design Set Up in Shanghai



On April 25, 2017, National Engineering Laboratory of Offshore Engineering Assembly, R&D and Design was established and the 1st council meeting was held. China State Shipbuilding Corporation (CSSC) Deputy General Manager Sun Wei attended the meeting and inaugurated the laboratory together with CIMC Vice President Yu Ya, Shanghai Jiaotong University Vice President Wu Dan and representatives of Shanghai Municipal Development and Reform Commission and Shanghai Municipal Scientific and Technological Commission.

The 708th Research Institute of CSSC and CIMC took the lead in the application for the lab together with the other 12 organizations, and the lab was approved by National Development and Reform Commission in June 2016 and integrated strong organizations in China's offshore engineering industry from basic research, R&D and design, system integration to assembly. So it is a national level innovative platform of offshore engineering assembly, R&D and design.

After the establishment, considering the problems of core technology bottleneck and weak assembly & fabrication technology of offshore equipment in the preliminary stage, the laboratory will explore immediate needs of deep-sea resource development, polar resource development, mineral resource development and deep-sea support, focus on overall technology of offshore equipment and forward-looking technology development trend, make breakthroughs in ten common key technologies, e.g. overall R&D and design technology, testing technology, system integration

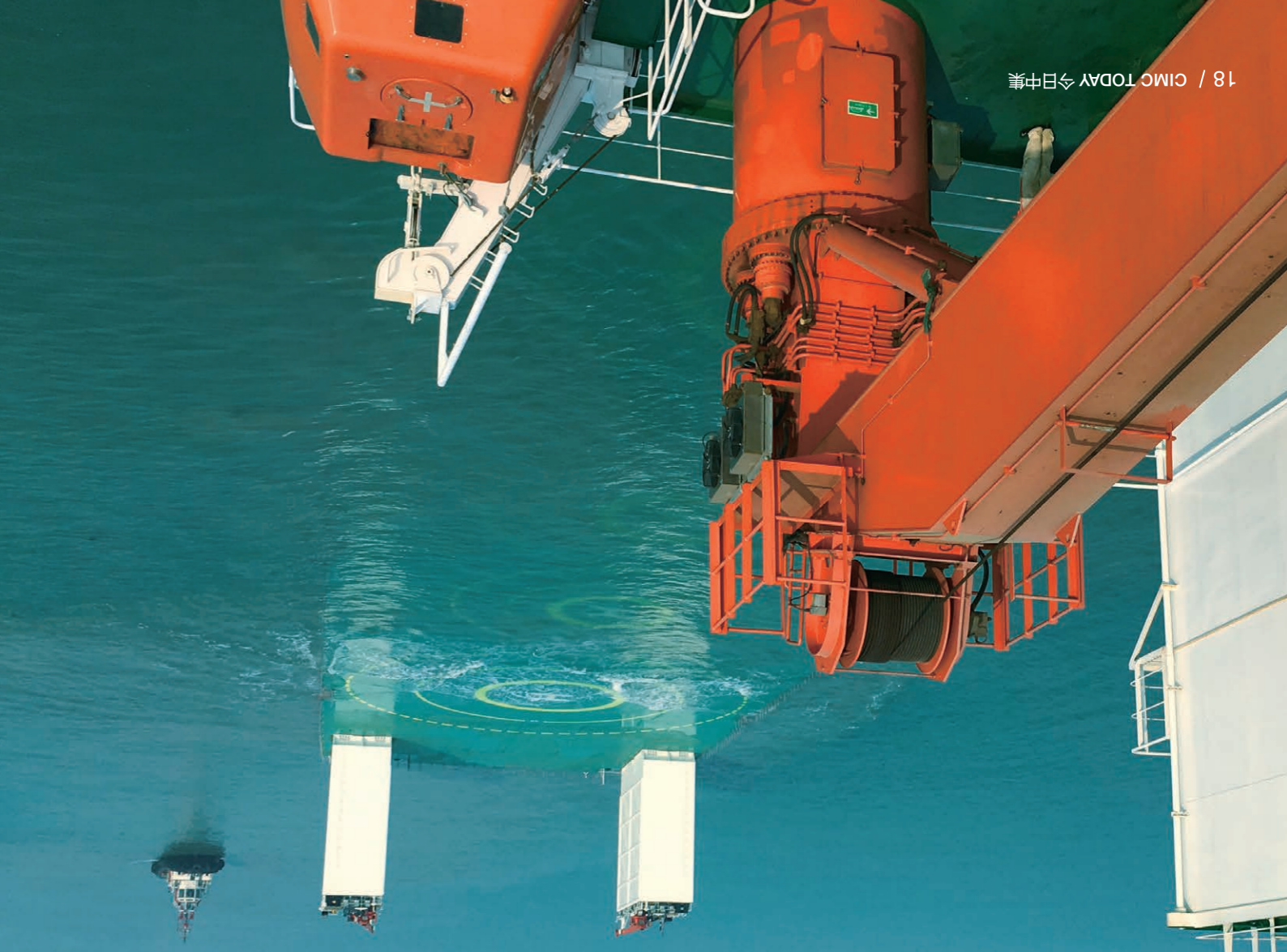
Offshore equipment is a primary component of emerging industry and high-end manufacturing industry. In recent years,

China's offshore equipment technology and industry has made a substantial progress. A series of major offshore equipment have been jointly developed by lab members, such as "Offshore Oil 981" submersible drilling rig, GM4-D polar submersible drilling rig, D90 ultra-deepwater submersible drilling rig, "Offshore Oil 117" FPSO, which is of great significance to accelerate the development of China's offshore equipment industry, foster professional engineering technology innovation talents of offshore equipment, promote the application of key technological achievements, gradually improve offshore equipment design technology system and industrial system, develop independent design capability in deep-sea, polar oil and gas exploitation equipment, mineral exploitation equipment, offshore support equipment and provide full technical support to grow offshore equipment manufacturing industry.

In the future, the lab will focus on imperative needs for equipment development of the nation's strategic mission and major engineering projects, gradually develop independent design, fabrication and matching capabilities in key equipment, boost enterprises' sustainable innovation capability and do its bit to drive the development of China's offshore equipment industry.

China's First 50,000-ton Dual-purpose Submersible Ship Went into Use

On March 14, 2017, "Zhenhua 33", China's first large dual-purpose submersible carrier designed and delivered by CIMC Ship and Offshore Design & Research Institute Co., Ltd. (CIMC ORIC) for Zhenhua Heavy Industry, was completed, passed experts' acceptance test and went into use in Qidong, Jiangsu, unveiling a new chapter of dual-purpose ship, which is of practical and strategic significance. Independently designed and developed offshore equipment (e.g. large steel structure, platform, jacket) used for offshore oil and gas exploration and large ships and naval vessels, but can function to rescue and salvage ships, equipment and aerospace vehicles stranded in green design, a high level of automation and advanced DP2 dynamic positioning; it is a self-propelled submersible carrier navigating and working in non-restricted waters; during wartime, "Zhenhua 33" can also perform motorized unloading on the seashore, offshore barge unloading, helicopter relay security, ship emergency rescue and other military purposes.



CIMC Raffles Signs a Letter of Intent on Construction Project with a Total Value of USD250 Million and Enters into Strategic Cooperation Contract with a Norwegian Partner



The 2017 China-Norway Business Summit, deep sea farming of salmon. The agreement had an estimated value of USD250 million. According to insiders, it is reported that the project enjoys a broad market prospect, evidenced by the fact that Norway only has the potential to accommodate 100 Hex Box aquaculture cages. Norwegian Prime Minister Erna Solberg and Vice-Chairman of the CPPCC National Committee Wang Qimín The visiting Norwegian Prime Minister and Erna Solberg attended the Summit and delivered a speech. As a representative of high-end offshore engineering equipment manufacturers in China, CIMC Raffles manufactory in China, CIMC Raffles Offshore Limited (short as "CIMC Raffles" below) was invited to the Summit. CIMC Raffles signed a letter of intent on construction with a total value estimated at USD250 million with a Norwegian partner. But the equipment to be built is not any drilling rig used for deep sea oil extraction but offshore cages used in farming of salmon in deep water of Norway.

President Wang Jianzhong of CIMC Raffles and Chairman Heidi Baugt of Norwegian Ocean Aquafarms AS signed the Letter of Intent on Construction of Offshore Cages and the Strategic Agreement on China-Norway Aquaculture Cooperation, whereby the CIMC Raffles agreed to build 5 Hex Box offshore aquaculture cages for Norway to be used in

5 deepsea net cages exclusively designed for the culture of Norwegian salmon

According to Wang Jianzhong, the offshore cages are 30-100 high, with a unit value of around USD50 million. Meanwhile, CIMC Raffles is also developing sea cages suitable for Chinese waters applications. "We are developing sea cages used in farming of puffer, snakehead, yellow croaker and grouper, with the intention of providing you all with reliable, nourishing and contamination-free fishery products" said Mr. Wang.

The positive state-level signal will offer a big picture of the cooperation between CIMC's offshore enterprises and Norwegian counterparts.

Leaders of two countries have been vigorously promoting Sino-Norwegian collaboration

According to CRI Online report, during the Sino-Norwegian Business Summit, Premier Li Keqiang and Norwegian PM Erna Solberg held talks at the Great Hall of the People. Li Keqiang said, "China is willing to establish an intergovernmental energy policy dialogue mechanism with Norway, deepen exchanges among enterprises of both countries, strengthen collaborations in energy and offshore engineering, co-develop third-party markets and carry out exchange and cooperation in agriculture, fishery, technological innovation, social security, policing and law enforcement, local cultures, etc." Solberg also expressed the hope for collaborations in agriculture, fishery, ocean, shipping, environment, finance, tax, investment, etc.

The 2nd 3600-M³ Liquid Ammonia Carrier Built By CIMC

Eric Was Successfully Launched



On April 26, 2017, China's second multi-purpose 3600-m³ liquid ammonia\LPG carrier built by CIMC ENRIC Jingmen Honto was successfully launched in Zhoushan, Zhejiang. Le Pengfei, president of Zhejiang CCS. Jingmen Honto technicians worked together with Dongpeng Shipyard and Dongpeng Shipbuilding & Repair Co., Ltd., and leaders from Zhoushan Liheng Island Management Committee and State Administration of Work Safety, CCS Shanghai Branch and Wuhan Finance Bureau attended the launch ceremony.

It is learned that the 3600-m³ liquid ammonia\LPG carrier was built by Jingmen and Internet of ships, which have greatly enhanced navigational safety of the ship; meanwhile, it can precisely manage cargo dispatch, which has effectively reduced labor intensity of crews and increased average efficiency and ship service efficiency. In addition, it has saved owners' general operating cost and offered shipowners more cost-effective and safer products, making it widely recognized among CCS, shipowners and industry experts.

CIMC ENRIC Successfully Delivered the 1st Overseas Spherical Tank Project



On May 2, 2017, 4 sets of 1000-m³ LPG spherical tanks undertaken by Jingmen Honto Special Aircraft Manufacturing Co., Ltd. under CIMC ENRIC ("CIMC Honto") were completed and put into operation in Kara Balta City, Kyrgyz.

The project site is located in the extremely cold region with effective construction big advantages in product standards, engineering service and cost, so it has year, it is the first overseas spherical tank project completed by CIMC Honto, and will become the first LPG spherical storage tank system of the largest oil refinery in Kyrgyz, which will benefit local residents and also improve overall utilization of clean energy in Kyrgyz. It has provided important reference for the negotiation by CIMC Honto are more complex than those in domestic market, because they are "turnkey project" requiring installation and accumulated rich experience in overseas project construction for CIMC Honto.

CIMC Enric LNG Tank Containers Passed Multimodal Transportation Test in USFC Shipping Route

On February 25, 2017, liquefied natural gas (Port of Jacksonville), sea transportation enterprises to some extent. This system can also predict pressure status of tank container in a short period of time and work out maximum storage duration under normal transportation condition. Lossless storage duration is estimated to reach 140 days according to the tank container test passed by CIMC Enric on USFC shipping route two years after its products were successfully put into bulk transport from USWC to Hawaii (USWC shipping route), marking that LNG tank container made by CIMC Enric comprehensively meets the needs of multimodal transportation on shipping routes of north America and Latin America.

It is learned that the transportation of LNG tank container involved every process from liquid filling to liquid unloading, that is, static lossless storage, road transportation has reduced transportation risks of logistics

LNG tank container is applicable to multiple modes of transportation and different users, especially small-and-medium-sized bulk tank container is 100% made from stainless steel and equipped with pressure & liquid level monitoring, GPS system and wireless remote control device, making it possible to monitor real-time status of tank container performance and the whole process of transportation; relating data are connected with customers' operation platform, which has reduced transportation risks of logistics

the market.

Enric is exceptionally outstanding and leads multimodal transportation solution" of CIMC



CIMC Enric Signed the Building Contract for the 160,000-M³ Storage Tank of Guanghui Energy Qidong LNG Terminal

On March 17, 2017, Mr. Wang Jianjun, deputy general manager of Guanghui Energy Co., Ltd. and president of Guanghui LNG Co., Ltd., paid a visit to CIMC and attended the signing ceremony of the 160,000-m³ storage tank project of Qidong LNG terminal. CIMC Enric vice president Gao Xiang, CIMC Enric executive director and general manager Liu Chunfeng, CIMC Capital general manager Wang Zhiwu, CIMC Enric Engineering Contracting & Engineering, Bank of Kunlun can take this opportunity to consolidate their respective fields, so I hope both parties in CIMC and Guanghui Energy are leaders in the negotiation over EPC and financing cooperation and make new contributions to promote the development of China's energy industry."

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CIMC Vehicles Delivered Innovative Vehicles with Side Curtains to TBL

Recently, CIMC Vehicles (Thailand) Co., Ltd. (Thailand CIMC) delivered 14 with pallets in varying sizes are needed. To achieve maximal operation efficiency, Thailand's No.1 company ThaiBev. ThaiBev is also the biggest producer of alcoholic and non-alcoholic beverage in southeast Asia. These vehicles were taken by Thai Beverage Logistics (TBL) that operates as a subsidiary of ThaiBev and Thailand's largest self-run logistics company.

According to loading/unloading characteristics of TBL, Thailand CIMC designed a unique sliding center pillar vehicles with side curtains carry limited quantities of goods and goods are hard to be fixed, leading to inefficient loading and unloading, so combined transport requirements at side or back door. Compared with standard sliding pillar, it is faster and easier for fork operation. The side pillar is removed based on European "quick slide" design, which achieves maximum inner width and can accommodate 26 non-standard pallets. (Ordinary side-curtain vehicle can hold more than 2.5M according to Thai laws). Besides, goods can be loaded at side and back doors.

TBL has a wide range of beverage products and distribution outlets, but standard vehicles with side curtains carry limited quantities of goods and goods are hard to be fixed, leading to inefficient loading



CIMC Enric Completed Sinopac Ethylene Project

On February 16, 2017, the 1500-m³ Sinopac ethylene tank built by CIMC more than 27 million yuan, with annual ratio and achieve more output, less energy consumption and product structure delivered to the owner. This is the first time cryogenic ethylene storage & transportation technology, mainly comprising cryogenic ethylene tank, refrigerant compressor included into Sinopac's equipment supplier system. Superb quality and timely delivery have laid a solid foundation for Honto to get similar orders from Sinopac in the future.

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C919 Passenger Jet Transported by CIMC Vehicles Successfully Completed its Maiden Flight at Shanghai Pudong International Airport

On May 5, 2017, China's first large jetliner C9191 made a successful maiden flight at Shanghai Pudong International Airport. Although CIMC

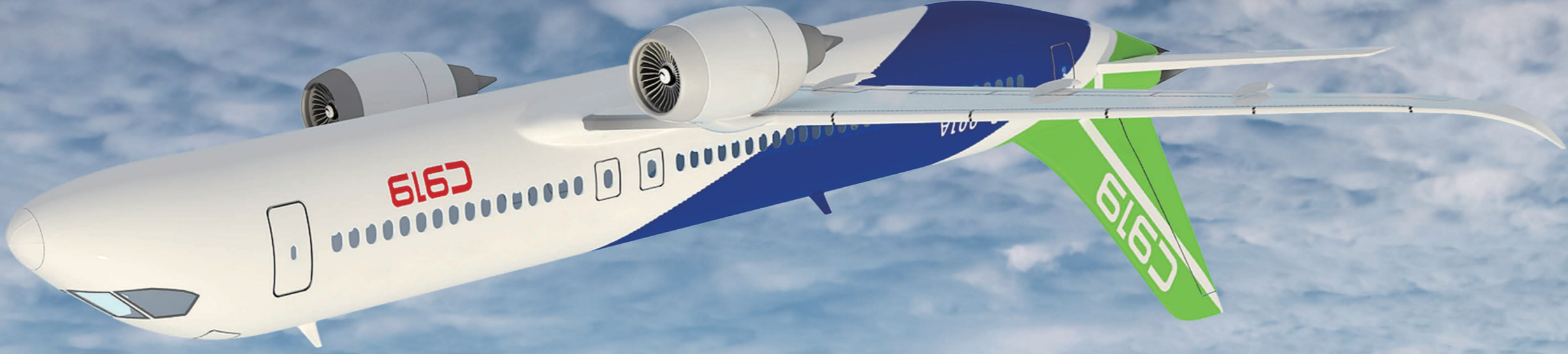
Service Patent Obtained for Aerospace

China's home-grown C919 is the second type of large passenger plane independently designed and developed by Yangzhou CIMC Tonghua Special Vehicles Co., Ltd. from Nanchang to Shanghai Assembly Base. In order to place in different plants. Therefore, special hauling equipment was required to carry the fuselage to the designated site of assembly.

As special goods, C919 presented challenges in transportation requirements. "Hoisting is required when the fuselage is loaded in the plant, and that requires open-van transport vehicle to facilitate hoisting operation. Meanwhile, the van should be a closed container during the transportation to ensure it is water-proof and dust-proof

and protect the fuselage." According to relating personnel of CIMC, "The fuselage is huge and somewhat round, it might roll during the transportation and cause damage easily, so ordinary transport vehicle can't meet the requirement." "To solve this problem, CIMC Tonghua developed a special transport vehicle for large fuselage and applied for the utility model patent of Fuselage Transport Vehicle."

It is learned this is not the first time that CIMC provides service for China's aerospace cause. Earlier in 2007, China Aerospace Science & Technology Corporation (CASC) consulted Nantong CIMC Special Transportation Equipment Manufacture Co., Ltd. (NCSSE) on the feasibility of transporting a rocket with container and provided support for China's new generation of heavy rocket

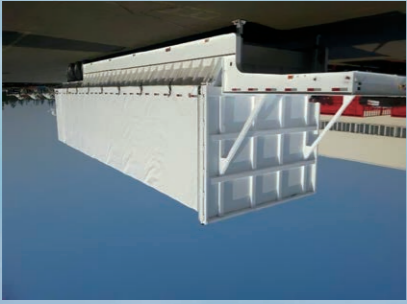


A Shift to Intelligent Container

launch base. Then NCSSE was devoted to the pioneering scientific research on "the world's largest container" and developed "CZ-5 Long March Rocket transport vehicle" making it the only special transport equipment manufacturer in the CASC heavy rocket transportation system. Besides, relating person in charge of CIMC Container Segment said, "CIMC becomes the world's largest container manufacturer by tapping into its own strengths, and it is the world's No.1 producer of dry container, refrigerated container, tank

With declining demand for marine container, special containers for military project, coal and grain saw a 30% growth, becoming a new profit driver. He said, "To achieve special container business also experienced a continuous decline. However, CIMC's special container enjoyed robust growth, becoming a new profit driver. "The biggest success of container lies in its standardization and well-established transportation system,

and intelligent 'container+service+finance' and intelligent CIMC Container Segment is shifting to further transformation and upgrading.

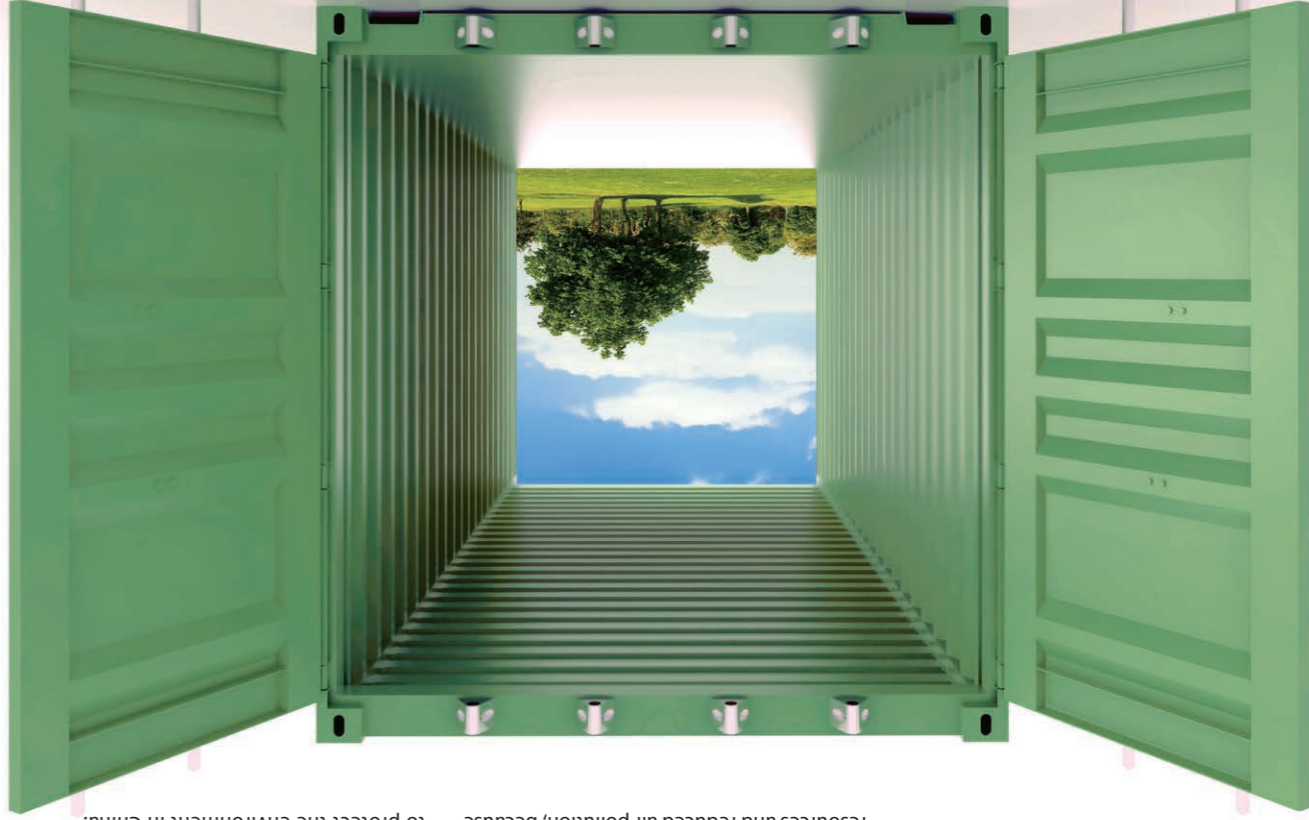


Overall Application of Water-based Paint in CIMC Container Production

April 1, 2017 marks a special day for China's container industry, because China's March 22, 2016, essentially reflecting the "three unified standards": Establish unified standards on "the use of water-based paint to completely replace solvent-based paint for container with water-based paint for container coating since this day. It is learned that CIMC Container Segment has put a lot of manpower, materials and money into accelerating technical improvement of water-based paint in each plant since 2015. With the development of economy, China has paid increasing attention to environmental issues. During the 13th Five-year Plan, China has begun to control VOCs emissions in the process of industrial coating, and particularly container manufacturing industry is under massive environmental pressure. Led by CIMC and Association (CCIA), the entire industry responded to the national call for air pollution control, "joint commitment, joint operation", and signed the Self-disciplinary Replacing solvent-based paint with water-based paint has tremendously saved resources and reduced air pollution, because

On April 1, 2017, CIMC Treatment Convention on CCIA VOCs Treatment On March 22, 2016, essentially reflecting the "three unified standards": Establish unified standards on "the use of water-based paint rather than solvent-based and its free from toluene and xylene that and default regulation and management, CIMC Container Segment has put a lot of manpower, materials and money into making the deadline of April 1, 2017 for fully done to production workers and effectively controlled incidence of occupational diseases. With the application of water-based paint, most front-line workers reported that there was significantly less irritant smell at construction site, which has brought green production process into container manufacturing industry and significantly reduced VOCs emissions in the process of container manufacturing industry. So far, each plant of CIMC Container Segment has completed technical improvement of water-based paint coating line, which ensures each plant can carry out normal and stable water-based paint coating since April 1, 2017.

In the future, CIMC will focus on "environmental protection" and "promoting the use of water-based paint" and do its part to protect the environment in China.



CIMC Vehicles Signed Strategic Cooperation Agreement with Zhenjiang Municipal Government



On June 8, 2017, Zhang Yefei, mayor of Zhenjiang, Jiangsu, visited the head office of CIMC Vehicles Group, had an in-depth talk on CIMC Vehicles Group's investment business targets of "trailer manufacturing, intelligent components, and trailer service", and it will prioritize Zhenjiang in intelligent components and trailer service. Located in Jiangsu, Zhenjiang has well-developed transportation network and numerous colleagues, and its livable environment makes it a better place for talent introduction and long-term business development. The national logistics center under way in Zhenjiang is strategically aligned with Baojing Project, Shenxing Taibao and Feiyan Program belong to high-tech and innovative projects, and they rely on industrial entities and focus on intelligent component development." In addition, the periodic lease of semi-trailer in the pipeline will involve vehicle aftermarket, distribution and e-commerce, and it will

seek cooperation with professional agencies to extend industry chain to service sector via internet+. In the future, CIMC defines three national-level high-tech zone established in Zhenjiang in October 2014 got the same industrial support as Zhongguancun, which can better match latest business model. The agreement signed is meant to seek more substantial cooperation between both parties in a higher and broader level.

At the meeting, Yi Yuqian, member of Zhenjiang Municipal Standing Committee and secretary of Jingkou District Committee, Yan Zhuo, director of Zhenjiang High-Tech Zone Management Committee, Ding Feng, director of Zhenjiang Municipal Bureau of Transport, Fan Cunjian, deputy director of Zhenjiang Municipal Bureau of Public Security, expressed full support for investment projects of CIMC Vehicles Group in Zhenjiang.

vehicle administration closely related with matching services for enterprises." The level governments to provide excellent the core tasks of municipal-level and district-

CIMC 2016 Annual Shareholders Meeting Held



has been reached on land project of Shekou Prince Bay, and it is now in the approval process." Meanwhile, Baoshan land project of Shanghai is going on smoothly and the bidding on land use is expected to take place soon.

When asked about CIMC's emerging business, Mai Boliang responded, "CIMC is planning to develop emerging business." Take modular building for example, this business will have big room for growth in the next 5 to 10 years; in addition, CIMC is a global pioneer in vertical automated bus parking business, so it will solve bus parking problem for major cities in the world; CIMC's e-commerce is booming and maintains market leadership in

Shenzhen, Beijing, Shanghai, Guangzhou and

On June 9, 2017, 2016 CIMC Annual Meeting of Shareholders took place in Shenzhen. The meeting was chaired by CIMC director, CEO and president Mai Boliang and attended by senior executives, e.g. director Liu Chong, independent directors Pan Chengwei, Pan Zhengqi and Wang Guixun. When it comes to recent "Blue Whale No.1", Mai Boliang proudly said, "Blue Whale No.1" has made great contributions by successfully collecting samples of combustible ice." "Blue Whale No.1" is the world's technologically leading ultra deepwater drilling rig independently developed, designed and built by CIMC. Sample collection is still ongoing in the South China Sea. Although "Blue Whale No.1" operates in a break-even way in the short term, we will continue to seek national policy support. In the second half, "Blue Whale No.2" will also be delivered, and CIMC is

During the meeting, shareholders put forward questions on CIMC's 2016 were reviewed and annual work in meeting; the first stock issue, validity of warranty and accountant appointment in 2017 were also reviewed.

Stock issue, profit distribution, dividend payout, fund raising, credit guarantee authorization and other motions as well as reports on work of board of directors, board of supervisors and annual work in 2016 were reviewed and passed at the meeting; the first stock issue, validity of

No.1 land resource, innovation industry and investment in the Philippines, etc. from across China regarding "Blue Whale No.1" land resource, innovation industry and investment in the Philippines, etc. comprehensive and in-depth talks with shareholders, investors and analysts manager of Funds Management Dept. Yang Rong. Mai Boliang had

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CIMC's First Market-oriented VC Fund Launched

On June 14, 2017, CIMC and Shenzhen Readysun Investment Group ("Readysun") co-launched the "Hengqin CIMC Readysun Innovation & Entrepreneurship Investment Fund" ("VC Fund" or "the Fund"); the VC Fund inaugural Meeting took place at CIMC R&D Center, which was attended by vice president Wu Fapei and Yu Yuqun, president of Strategic Development Dept. Tao Kuan, Readysun chairman Feng Qinghua, managing director Wang Jiayan and investors' representatives of each business segment.

The VC Fund will make investments according to CIMC's existing industries and upstream & downstream industry chain as well as external relating emerging industries so as to promote CIMC's multi-industry initiator of VC Fund and general manager of Strategic Development Dept., the Fund has a big innovation in addition to market-oriented operation: Make full use of investment resources of CIMC and each business segment, provide services and support for VC Fund in project search, end equipment manufacturing and new technology sectors, lay special emphasis on intelligent logistics, industrial automation

According to Tao Kuan, main planner and initiator of VC Fund and general manager of Strategic Development Dept., the Fund has a big innovation in addition to market-oriented operation: Make full use of investment resources of CIMC and each business segment, provide services and support for VC Fund in project search, end equipment manufacturing and new technology sectors, lay special emphasis on intelligent logistics, industrial automation etc.

VC Fund in the process of

VC Fund in the process of strong project resources into investment opportunities for VC Fund in the process of business promotion in relating industries and upstream & downstream industry chain. Meanwhile, VC Fund will also recommend CIMC's internal projects to angel investment agencies to accelerate the growth of CIMC's internal startup programs.

CIMC's Operating Revenue Grows by 40% in Q1-2017 with a Good Start

Containers Segment Jumps from Low with Operating Revenue up by 150%

China's Q1-2017 GDP grew by 6.9% from the third quarter of 2015, showing a good start in 2017. Benefiting from the favorable macro-economic environment and global shipping industry pick-up, the Q1-2017 interim report published by CIMC today conveyed gratifying results to the world outside. The Group's elevated operating results achieved in the four quarters of 2016 continued apace this year. The Q1 from 1,300,000 TEUs in 2016 to 2,000,000 TEUs this year. Besides, major securities institutions agreed that the container market in 2016 had a great potential for growth. CIMC's Containers Segment has topped the world in terms of comprehensive strength in 22 consecutive years, and it is the only company in the world that is capable of providing a whole package of 150% and 40% respectively. Other businesses such as Heavy-duty LNG Truck segments enjoyed a remarkable business growth while the Energy, Chemical and Food Equipment Segment, Logistics Segment, Airport Facilities Segment and Finance segment sustained a steady growth.

According to the analysis of CIMC officials, the Group's main businesses are closely related with the global macro-economic environment. In Q1-2017, the global economy started to pick up, resulting in more intensified and frequent trade activities in the developed economies in Europe and America. Meanwhile, China continued to push forward the Supply-side Reform, and the economy registered a stable performance with good momentum for growth. All the above are helpful for CIMC which is engaged in providing worldwide logistics and energy businesses with equipment and services to get off to a good start.

Containers and Vehicles segments delivered strong performance

The upward trend saw in the fourth quarter of 2016 continued apace this year. The price of dry container went up slowly from USD1,200-1,300/TEU in early 2016 to USD1,800-1,850/TEU in Q1 2017, hitting USD2,200/TEU currently. Meanwhile, the Container Industry's Self-discipline Convention to Replace Oil Paint with Water-based Paint took effective as of Apr.



The Vehicles Segment which marked itself a worldwide oil price climbing and industry overcapacity cutting, the Energy, Chemical and Food Equipment Segment which is the Groups third largest segment saw much improved market demand and higher order size. The Segment reported a sales revenue of RMB2,244 million, with a growth of 11.65% YOY.

Energy, Chemical and Food Equipment and Airport Facilities Segments sustained a stable growth

Benefiting from the market recovery following a worldwide oil price climbing and industry overcapacity cutting, the Energy, Chemical and Food Equipment Segment which is the Groups third largest segment saw much improved market demand and higher order size. The Segment reported a sales revenue of RMB2,244 million, with a growth of 11.65% YOY.



In addition, the operation revenue of CIMC logistics service business reached 1.655 billion yuan, up 2.50% YOY. The operation revenue of

The stable growth trend of the Group's heavy-duty truck business in 2016 continued in this year, among which, the heavy-duty LNG truck business grew even more rapidly owing to favorable policies and cost advantage. The sales volume of heavy-duty trucks amounted to 1,727 sets in Q1 2017, up by 68%; among them, heavy-duty LNG trucks had a sales volume of 434 sets, up by 151%; the operating income totaled RMB506 million, with an increase of 66.55% YOY.

CIMC financial business reached 544 million yuan, up 3.73% YOY. CIMC is also advancing real estate projects in Prince Bay, Qianhai. Affected by the global offshore engineering market downturn, CIMC's Offshore Segment thereby exploiting the European market of radical market expansion beyond Germany, further. The automated logistics business has developed the automatic sorting technology and is speeding up technology integration and absorption; the cubic garage business enjoys a sound momentum of development, with a market in Shenzhen. The Airport Facilities Segment reported an operating revenue of RMB491 million in Q1 2017, with an increase of 4.23% YOY.

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Affected by the global offshore engineering market downturn, CIMC's Offshore Segment was still trapped in a critical condition. Despite this, it made remarkable achievements in technical breakthrough and diversified business development. On Feb. 13, CIMC Offshore Limited completed the naming and delivery of BLUEWHALE 1, an ultra-deepwater semi-submersible drilling platform of D90 design. This drilling platform arrived at the job site in South China Sea in March to perform the national combustible ice exploration lease; on Feb. 24, CIMC Raffles delivered the CNOOC 162 drilling rig to CNOOC Energy Technology & Services Limited as scheduled. In Q1 2017, CIMC Raffles signed two more ship repair orders and two sightseeing ship building orders. Besides, CIMC Raffles also completed and delivered a marine ranching project and developed the Norway deep sea farming and offshore power generating ship. It entered into a potential order with a value of USD250 million with Norway partner.

14.7 billion

YOY Growth:

40.95%

YOY Growth of Containers Revenue:

150%

YOY Growth of Vehicles Revenue:

40%

Preface

In the second half of 2017, CIMC will celebrate the 35th anniversary of its operation. The first half of 2017 saw global economic recovery, increasing trades of advanced economies, China's ongoing supply-side reform and steady economic performance.

Thanks to favorable macroeconomic environment and recovering global shipping industry, CIMC maintained steady growth in the first half of 2017 and achieved good results for shareholders, customers and employees through resource integration, management optimization and technological innovation.

In the first half of 2017, governor of Hebei Province Xu Qin met CIMC CEO and President Mai Boliang, and the former welcomed CIMC's participation in the construction of Xiong'an New Area throughout the process and expressed his full support for CIMC's development in Hebei; Philippine president Duterte met CIMC CEO and president Mai Boliang during the Belt and Road Forum for International Cooperation, who exchanged views on CIMC's energy, power supply and investment in the Philippines and reached an initial consensus; the solvent-based paint used for CIMC's container coating had been completely replaced with water-based paint, representing CIMC's active engagement in social responsibility and efforts to protect the environment as the industry leader; Shenzhen CIMC-TianDa Airport Support Co., Ltd. won the bid for China's biggest order of boarding bridge of Shanghai Pudong International Airport; CIMC Modular Building completed the 4th generation of Intercontinental Holiday Inn Express of Trafford in just 39 weeks, achieving the shortest construction period for Intercontinental Group.

Great news came that China successfully collected samples of combustible ice in the Shenhu waters of the South China Sea for the first time on May 18, 2017. The world's most advanced "Blue Whale 1" ultra-deepwater, semi-submersible and dual-rig drilling rig independently designed and developed by CIMC Raffles played a key role in this national strategic task.

In the second half of 2017, we will continue to make improvements, explore multi-industry collaboration, reform business models, promote "transformation and upgrading, quality growth", practice the concept of "Sharing Growth, Moving Forward Together" and forge ahead to new milieages together!

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度通讯。欢迎积极投稿，并提出您

的意见和建议。

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