

# $f(K)^N$

*For Deepwater Solutions  
Para Solução em Águas Profundas*



**Keppel** Offshore & Marine

FloaTEC<sup>®</sup>

**Keppel** Offshore & Marine  
Technology Centre



# About $f(K)^N$

$f(K)^N$ , or fKN, is a consortium formed by like-minded organisations which aims to seek commercially viable solutions to meet the challenges of deepwater field developments in Brazil.

This is achieved through collaborations with universities and research institutes in Brazil, as well as industry partners in the global offshore and marine industry to develop the relevant technologies and training opportunities.

**$f$ =FloaTEC,  $K$ =Keppel O&M and KOMtech,  $N$  = NUS  
As a function,  $f(K)^N$  provides exponential results**

## Consortium Members

### **Keppel Offshore & Marine**

- Global leader in offshore rig design, construction and repair, ship repair and conversion, and specialised shipbuilding
- Deepwater Technology Group, or DTG, a technology arm of Keppel O&M, plays an active role in the Consortium

### **FloaTEC**

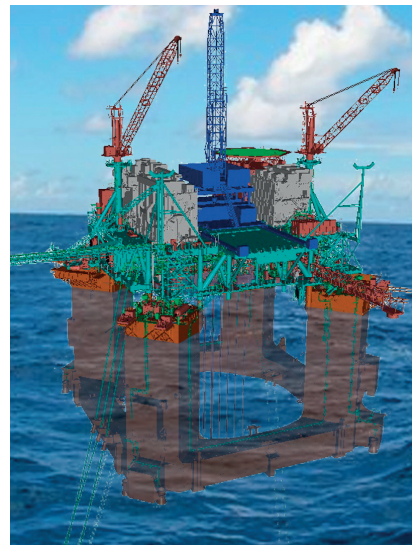
- Joint venture company between McDermott and Keppel FELS
- Specialises in the design and construction of technologically-advanced deepwater floating production systems

### **Keppel Offshore & Marine Technology Centre**

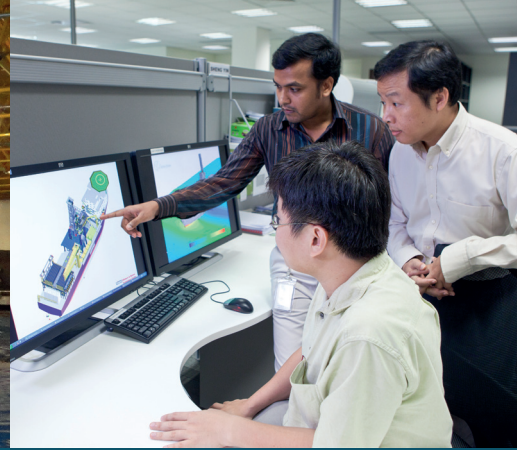
- R&D arm of Keppel O&M
- Spearheads the research and development of new technologies, processes and competencies, across the spectrum of Keppel O&M's businesses
- The deepwater technology arm of KOMtech takes on an active role



- Leading research-intensive university at the cutting edge of knowledge creation, offering a wide range of degree programmes in collaboration with some of the top universities in the world
- Centre for Offshore Research & Engineering (CORE) and the Maritime Institute@NUS (MI@NUS) are active participants in the Consortium



*FloaTEC's P-61 Tension Leg Wellhead Platform is designed for Brazil's Papa-Terra field in the Campos Basin.*



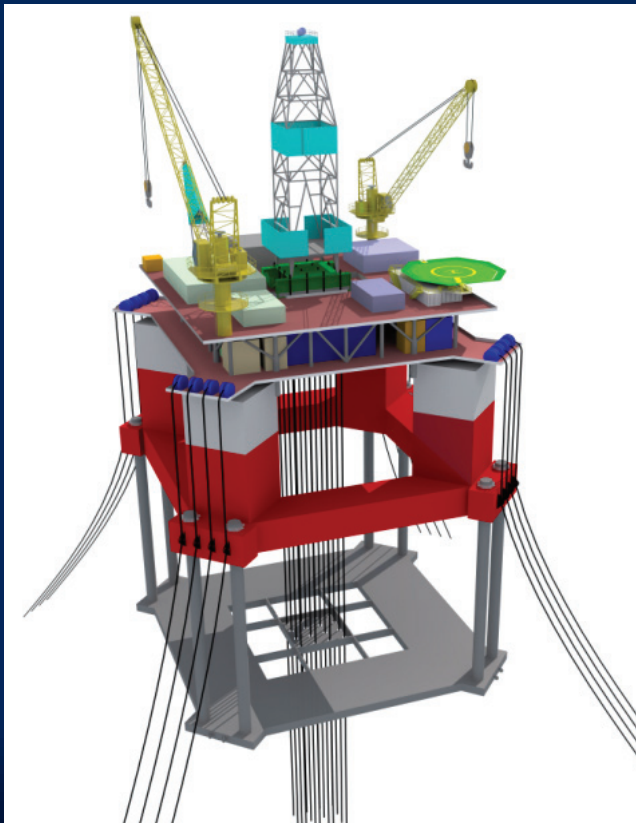
Sustainability is one of the key strategic R&D areas at NUS Engineering.

E-Semi wave basin model test in LabOceano.

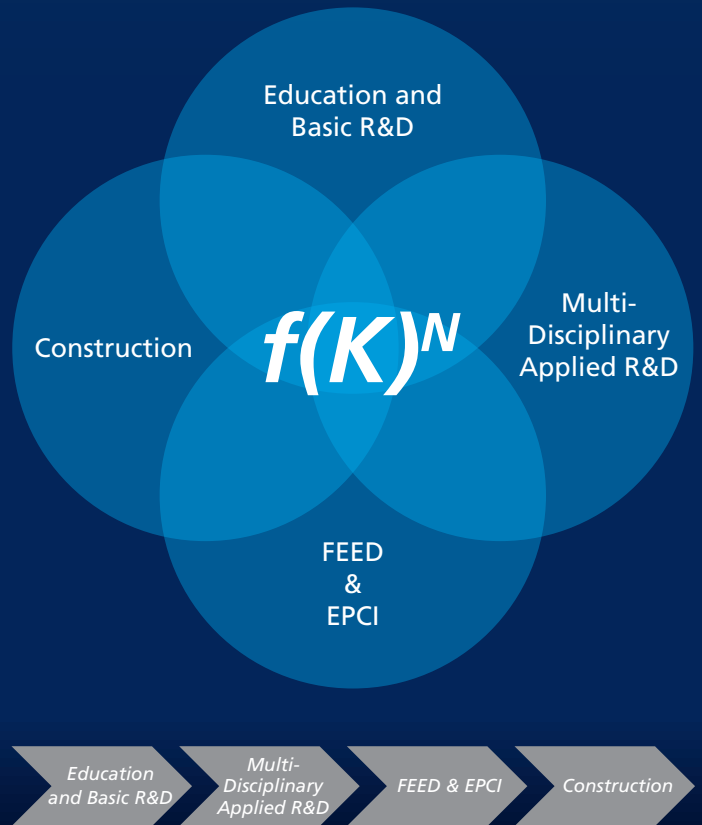
KOMtech provides new specialised capabilities and upstream R&D of new product designs.

## Programmes and Scope of Activities

- Promote relevant workshops and seminars among the universities, research institutes and industry players in Brazil;
- Invite outstanding academics for visiting professorships and research fellowships;
- Promote engineering postgraduate programmes at NUS and Brazilian Universities to look into the challenges facing the deepwater industry;
- Facilitate technology exchange between Brazil's ocean basin, tow tank and numerical laboratories and Singapore's research institutes;
- Promote engineering undergraduate exchange programmes between NUS and the Brazilian universities.



E-Semi design developed by Keppel's Deepwater Technology Group and FloaTEC to meet market needs.



## VALUE CHAIN LINKAGE

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