THE KIVI OT BOARD CONSISTS OF:
P. D. Swart (Shell) – Chairman
J. L. F. Van Kessel (Shell) – Vice-Chairman
S. E. van der Werff (Bluewater/Brunel) – Secretary
D. de Jong (BAM) – Treasurer
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L. O. Viegen (Allseas) – Board member
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C. C. Friederich (Bluebird) – Board member
J. Oomen (Heerema Marine Contractors) – Board member
R. Plat (Royal IHC) – Board member
J. van der Helm (TU Delft) – DOT representative
Sandwiches will be available at 18.00h. Starting time of lectures is 19.00h. Lectures at the KIVI building are followed by drinks served at “Bodega De Posthoorn” at Lange Voorhout in The Hague. For lectures at company premises drinks will be served at the lecture location.

PROGRAM INFORMATION AND REGISTRATION (REQUIRED) AT:
www.kivi.nl/ot

ADDRESS KIVI BUILDING:
Prinsesegracht 23, The Hague

CONTACT:
via the Secretary (offshoretchniek@kivi.nl)

Malampaya phase 2 & 3: Gas to power for the next decade
18 MAY 2017 | KIVI BUILDING, PRINSESSEGRACHT 23, THE HAGUE

Tjalling de Bruin
Brownfield Theme Leader at Shell
Simke Talsma
Engineer at Mammoet
Bas van Bemmelen
Area Director Africa at Boskalis

In the deep waters off the coast of the Philippines, a new innovative self-installing platform keeps supplies of cleaner burning natural gas flowing. The Malampaya deep-water gas-to-power project started up in 2001, launching the natural gas industry in the Philippines, delivering up to 30% of the country’s energy requirements. The Malampaya platform is located in a region prone to both earthquakes and typhoons. For the new depletion compression platform Shell and its partners constructed an innovative gravity-based self-installing structure which is able to deal with the natural hazards. The unique self-installing technology has significant advantages in terms of schedule and production continuity. Sandwiches beforehand and drinks afterwards are offered with the complements of Boskalis, Mammoet and Shell.

Using offshore experience for clean oceans and clean energy
20 APRIL 2017 | DE OUDE BIBLIOTHEEK, RAAM 180, DELFT

Boyan Slat
Founder Ocean Cleanup
Allard van Hoeken
Coo The Ocean Cleanup en Founder of Oceans of Energy

Award ceremony best offshore graduate

Programme 2016 - 2017

The Ocean Cleanup develops advanced technologies to rid world’s oceans of plastic. An update on the project’s status will be given. The latest development is the installation of a 100m prototype in the North Sea, which serves as a test bench for future developments.

With a passion for clean energy and offshore technology, the mission of Oceans of Energy is to develop and deliver clean energy worldwide and to include offshore renewables in the energy mix. Offshore renewables are typically more expensive than today’s onshore solar and wind, therefore commercializing them is a challenge. Our ambition is to become an offshore company formed by professionals from the offshore, oil&gas industry who want to apply their skills and experience for clean energy.

During this innovative evening the ceremony for awarding the best Offshore Graduate student will take place. Please check the KIVI website for the complete programme.

Hyperbaric tunnelling equipment, the quest to support digging deeper
16 MARCH 2017 | IHC RAAMSDONKSVEER, RAMGATSEWEG 27

Johan de Bie
Managing Director IHC Hytech

Tunnelling infrastructural works are digging deeper constantly to support the growing need for transport and (resilient) supplies in and around the worlds larger cities. As the population numbers of these cities are constantly on the rise, so is the need to provide transport around the cities to move the masses to/from their work and other locations. Following this also the transportation of goods and supplies is getting more and more demanding on the transport systems available, including attempts to make them less prone to be influenced by deteriorating environmental conditions. To cope with this the use of subterranean tunnels, is considered as one of the answers and consequently being used more and more. This lecture will focus on some of these special tunnel projects and more specifically on the hyperbaric tunnelling equipment necessary to support them.

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In the past decade Huisman has delivered four offshore drilling systems based on our Multi Purpose Tower. Further development of our drilling equipment will re-scope the drilling industry, by taking manual labour out of the equation, creating quicker and safer drilling solutions. Since seeing is believing, we have built the Huisman Innovation Tower (HIT) to demonstrate and test the advancements of our next generation drilling solutions. In a presentation we will show how we have developed our drilling equipment and how the HIT is used as a full-scale test model and a real-life simulator. To really start believing we will tour the HIT after the presentation. Sandwiches beforehand and drinks afterwards are offered with the complements of Huisman. Please bring PPE (helmet, safety goggles, and safety shoes) and make sure your clothing covers your arms and legs. To access the Huisman premises please bring a valid ID to pass security.

Four technostarters with a link to the offshore industry will tell about the process of setting up an own business and what setbacks were encountered. Offshore wind is an industry of large scale technologies and large scale companies. VizionZ explains how they became successful as a new player in the offshore wind industry, an industry of large scale technologies and companies. Orbital Eye’s core product PIMSyS focuses on the safety of pipelines by using radar satellites for monitoring pipeline routes. WaveDroid relies on the smartest and most available sensor around, the smartphone, to calculate and share realtime wave parameters. Next Ocean provides a real time, on-board, time specific prediction of waves and ship motions up to minutes ahead to enable crew to grab windows of opportunity during low waves. Sandwiches beforehand and drinks afterwards are offered with the complements of IRO.

Bluewater’s Haewene Brim Floating Production Storage and Offloading (FPSO), moored by an internal turret mooring system in the North Sea since 1998, ran out of its original 15 years design life. Good field performance and the tie-in of another field resulted in a lifetime extension of 18-20 years. The system suffered from some serious integrity issues (birdcages in spiral strand wire sections) over the last few years of its original design life, which made it challenging to fulfil the design life and to design a new mooring system within the targeted boundary conditions. A number of the findings, challenges and phased offshore installation campaigns with FPSO in place and in production will be presented. Sandwiches beforehand and drinks afterwards are offered with the complements of Bluewater.

In order to harvest wind energy from deep water sites, floating offshore wind turbines will be needed. GustoMSC has developed a semi-submersible structure for this purpose: the Tri-Float. The design of a floating wind turbine includes various challenges: The control system of the wind turbine interacts with the motions of the float and wind loads do not scale easily in wave basin tests. At the same time, there is a strong drive to reduce costs and optimize the structure for efficient manufacturing and installation at large scale commercial wind farms. Sandwiches beforehand and drinks afterwards are offered with the complements of GustoMSC.

As global energy demand rises, the market for LNG continues to expand. Shell was an early pioneer in this market and have now demonstrated five decades of leadership with LNG projects – either in operation or under construction – in 10 countries. Once at its destination, LNG is turned back into a gas by warming so that it can be piped to customers. Shell has major interests in two regasification plants (Dragon and Hazira) and long-term access to capacity in several others in Europe, the Middle East, North America and Asia. The global LNG market and the development of regas projects - both large and small scale - will be discussed in this lecture. At the entrance you will be asked for your identification (passport or driving licence). Registration latest by 12 January 2017. Sandwiches beforehand and drinks afterwards are offered with the complements of Shell.

Aluminium with its excellent strength/weight ration becomes the material of choice for many offshore applications (incl redevelopment and refurbishment). It provides low cost ownership and corrodes 100 times slower than steel. The presentation will give more insight in the unique properties of aluminium and the specific engineering and manufacturing aspects of this material and the plant may be visited.

PIONEERING SPIRIT: COMMISSIONING THE WORLD’S LARGEST OFFSHORE VESSEL
15 DECEMBER 2016 | TU DELFT 3ME, MEKELWEG 2, DELFT

EDWARD HEEREMA
Director and Owner Allseas

“Pioneering Spirit” past in the 30-jarge traditie van Allseas om te pionieren en steeds technische grenzen te verleggen. “Pioneering Spirit” (voorheen "Pieter Schelte") is het grootste werkshup ter wereld, bestemd voor het installeren of weghalen van bovenbouw- en onderbouwconstructies van grote offshore olie- en gasplatforms in één stuk. Tevens is het schip uitgerust voor het leggen van grote pijpleidingen. “Pioneering Spirit” bergt alle innovaties in zich die de laatste 30 jaar door Allseas zijn ontwikkeld en gerealiseerd, en markeert een nieuw tijdperk in zwaar bijwerk. The language of this lecture is Dutch. Sandwiches beforehand and drinks afterwards are offered with the complements of Allseas.

REGAS: A NEW ENERGY GATEWAY FOR THE WORLD
19 JANUARY 2017 | SHELL, KESSLER PARK 1, RIJSWIJK

ARJAN MAJENBURG
Principal Civil & Structural Engineer

GERARD SPAAN
Senior Civil & Structural Engineer

At the entrance you will be asked for your identification (passport or driving licence). Registration latest by 12 January 2017. Sandwiches beforehand and drinks afterwards are offered with the complements of Shell.

EXCURSION - ALUMINIUM: THE PREFERRED MATERIAL IN OFFSHORE
02 MARCH 2017 | BAYARDS ALUMINIUM CONSTRUCTIONS, VEERWEG 2, NIEUW-LEKKERLAND

ALBERT HOGEWONING
Technical Director at Bayards

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ANOTHER 20 YEARS CONTINUOUS PRODUCTION IN THE HARSH NORTH SEA
17 NOVEMBER 2016 | KIVI BUILDING, PRINSESSEGRACHT 23, THE HAGUE

RICHARD LEEUWENBURGH
Section Head Mooring and Subsea at Bluewater

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BLUEWATER'S NEW FLOATING PRODUCTION STORAGE AND OFFLOADING SYSTEM
16 FEBRUARY 2017 | GUSTOMSC OFFICE, KAREL DOORMANWEG 35, SCHIEDAM