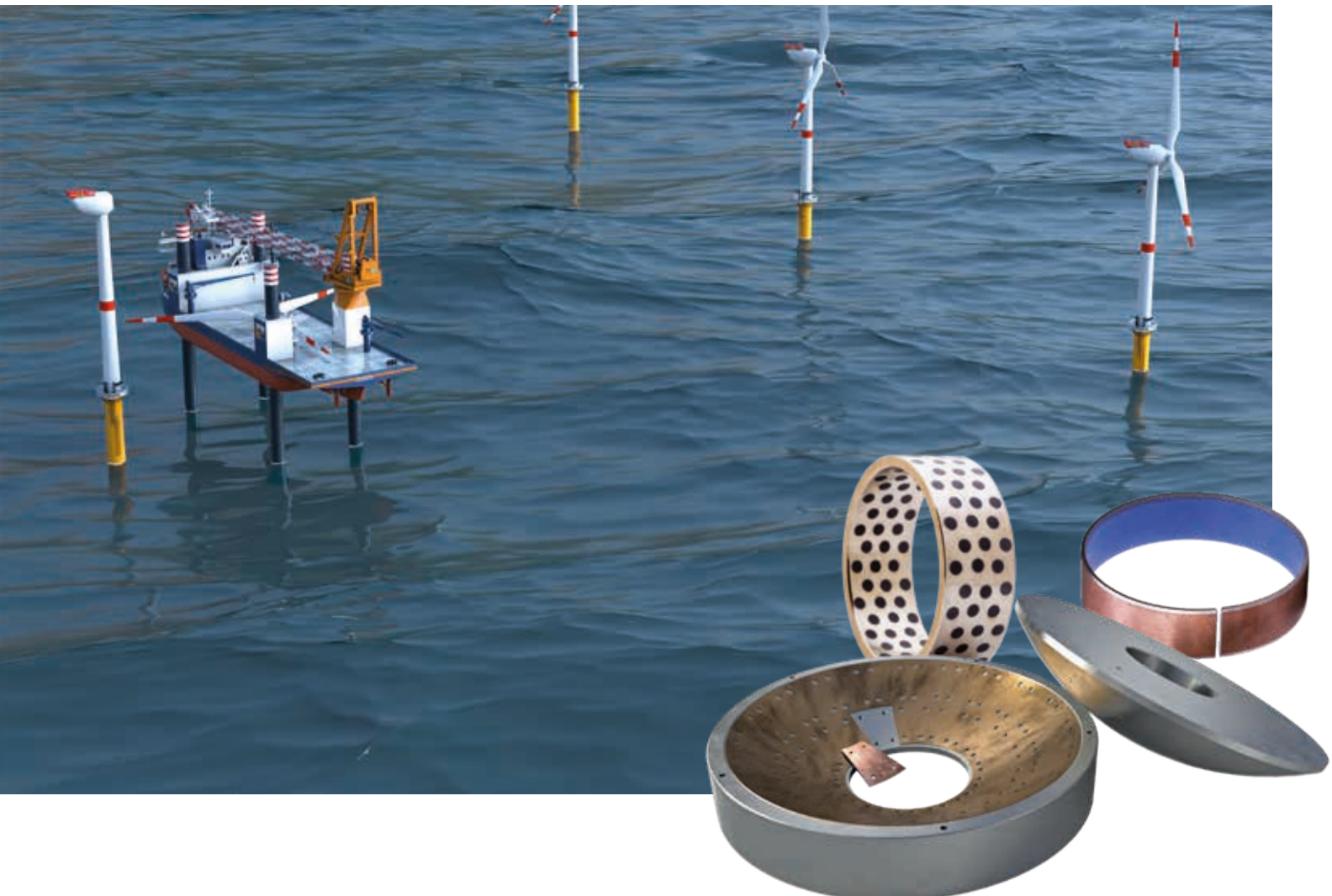




# OFFSHORE

Self-lubricating bearings for offshore lifting platforms



# High performance sliding bearing materials for use in Jack-up Vessels

Contemporary designs represented an enormous challenge for modern-day bearing materials. Zero maintenance is often expected under severe to extreme conditions as well as under maximum loads.

The constant pressure on costs and a low Total Cost of Ownership also calls for increasing uptime of machinery and requirement and uncompromising standards of operational reliability.

DEVA® sliding bearing materials are suitable for applications involving sustained highest static and dynamic loads, relatively low sliding speed and rotary, angular, axial or linear motion. They are also suitable for applications where conventional lubrication is not possible or permissible, or where other properties are requested such as durability and resistance to operational and environmental influences or special conditions (e.g. impact load, abrasive stress, etc).

## Jackup Vessel Applications

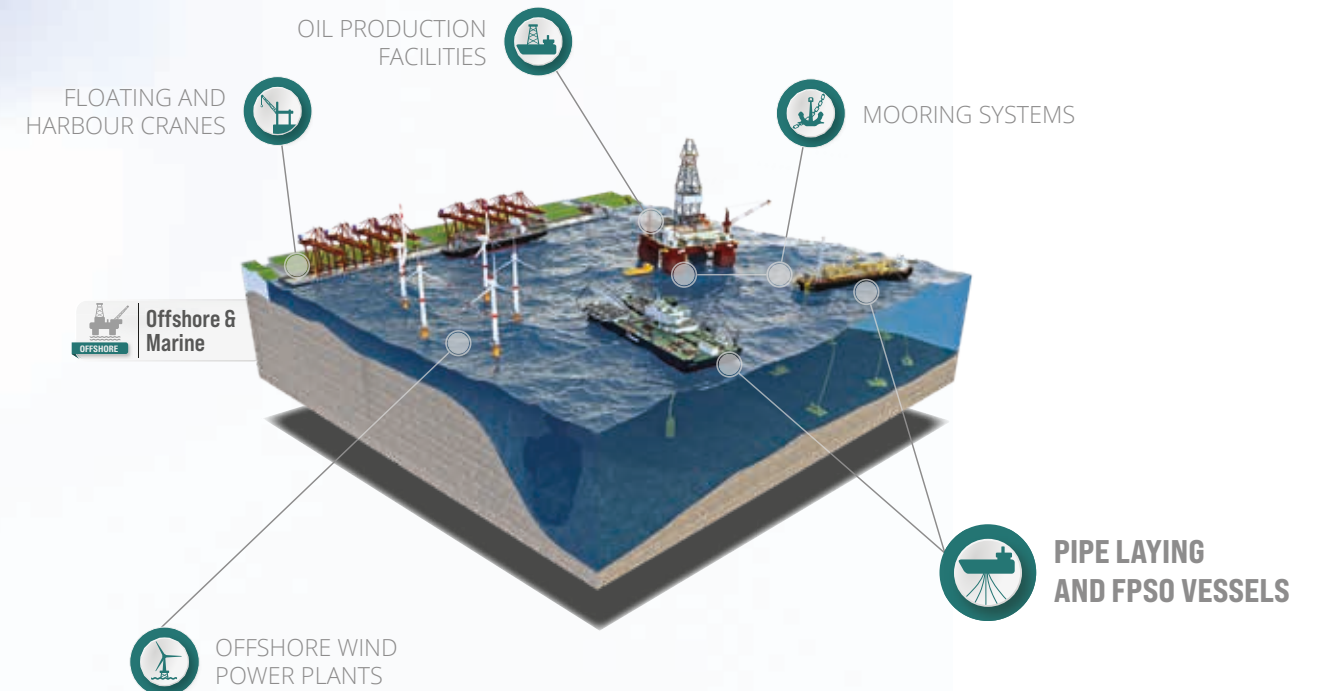
Jack-up vessel for WTIV's, Drilling platforms or offshore lifting platform applications do rely on safe operation and a long life time from self lubricating and maintenance free slide bearings. It offers our customers a low TCO and most of all, feeling confident that the heavy loads in extremely harsh environments can be handled smoothly. Federal-Mogul DEVA has been involved for almost 50 years in providing custom designed, smart and costs effective slide bearing solutions for the Global Offshore & Marine market.

Our application engineers work on new bearing designs from the initial inquiry to the final design. It might all start from a preliminary inquiry specifying application details such as load, speed, friction distance, environment and other conditions, and maybe a required lifetime. Based on this information a suitable bearing material is chosen from hundreds of options to meet the design requirements for these Offshore & Marine applications. After all, we at DEVA® know our bearing material better than anyone else. We know that they suit the extreme Offshore & Marine environment demands because we have more than 80 years of experience of manufacturing bearings.



### deva.bm®

deva.bm® is a high performance material. It consists of a backing material made from either standard steel, stainless steel or bronze with a deva.metal® layer applied in a combined rolling/sintering process. deva.bm® offers basically the same bearing properties as deva.metal® but is capable of dealing with even higher loads and offers an economic solution to many bearing problems. The sliding material can be delivered with a PTFE infused layer which offers an even lower coefficient of friction. deva.bm® offers a wide variety of dimensions and forms/shapes. It can be delivered as a plain bearing, a washer or segments which allows for large diameters. It is easy to install using press fit or super cooling and it can be delivered in several tolerances. deva.bm® offers Offshore & Marine customers a cost effective, high load and high reliability sliding bearing solution.





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**deva.de**  
Maintenance-free, self-lubricating Bearings

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