Hydraulic jacking system

Jacking systems are at the heart of a jack-up vessel. Royal IHC produces robust single acting as well as continuous hydraulic pin-and-hole jacking systems. Consisting of high-quality IHC components and automation, these jacking systems allow for an effortless and reliable operation.

The single and continuous jacking systems are designed for circular tubular legs but it’s also possible to choose for different leg types. As all IHC jacking systems are designed in-house, they can be tailored to your preferences and requirements.

The automation is designed in a way that allows for fully automated jacking and monitoring and is optimally integrated in the jack-up.
IHC Hydraulic jacking systems

Single acting vs continuous jacking system
A single acting jacking system consists of a stationary and a travelling yoke, whereas the continuous version consists of two travelling yokes. The main benefit of the continuous jacking system is a higher platform lifting speed, which favors workability. For operations in which speed is not a top priority, the single acting jacking system offers lower capex and operational costs.

Scope of supply
IHC delivers a wide variety of jacking systems in terms of scope and design, from a hydraulic system package to basic jack-up vessel design and complete jacking system delivery. To ensure a successfully operating jacking system, IHC can also complete a design review as part of the scope for third-party jack-up vessel designs.