

Continuous Hydraulic Jacking System for tubular leg

Description

GustoMSC has developed a Continuous Hydraulic Jacking System plus leg combination with emphasis on fast operations. The continuous jacking system is based on the proven components as used in the GustoMSC jack ups with smooth circular legs since 1995.

Jacking units

The system consists of four individual yokes. Each yoke is equipped with a jacking pin and two double acting hydraulic cylinders. The jacking speed is continuous. During normal jacking three out of four yokes are active and one is in the return stroke. In the pre-load position all yokes are active. The same applies for normal operation and survival condition.

Jacking velocities

The typical hull jacking speed is 24 m/hr. Leg handling speed is 40 m/hr. The system can also be applied on a truss type leg. A jack-house contains and protects the jacking system. The upper part of the jack-house also contains the upper leg guide.

Application

Maintenance/accommodation jack-ups
 Construction jack-ups
 Drilling and work-over jack-ups
 Wind Turbine Installation units
 Wind Turbine Maintenance units

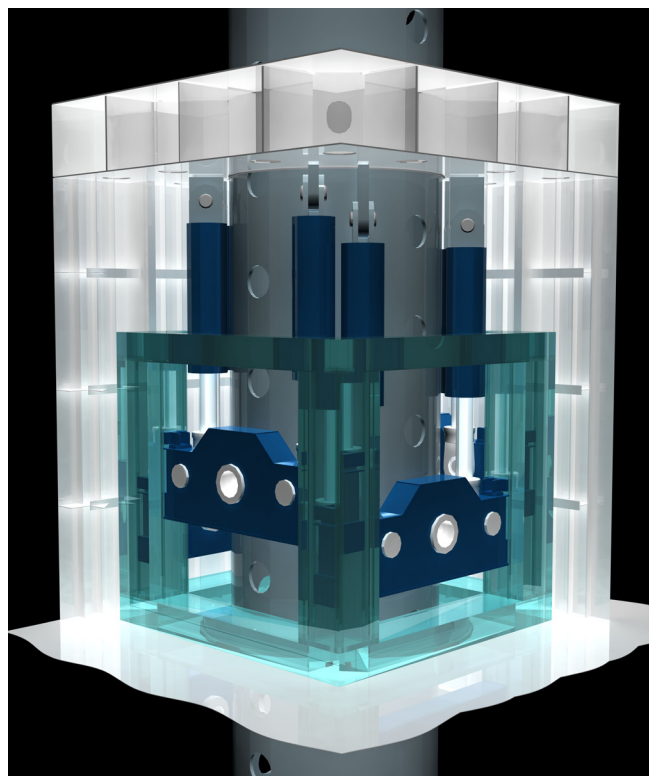
Patents

Patents have been applied for in major industrial countries.

References

Continuous hydraulic jacking systems are fitted on the following jack-up platforms:

• L208	2012	9,000 t/leg
• Brave Tern	2012	9,000 t/leg
• Bold Tern	2012	9,000 t/leg
• SeaJacks Zaratan	2012	5,500 t/leg
• Sea Installer	2012	9,000 t/leg



Non continuous hydraulic jacking systems are fitted on the following jack-up platforms:

• Wind	1995	600 t/leg
• Siri MOPUstor	1998	5,600 t/leg
• Vagant	2002	790 t/leg
• Pauline	2002	900 t/leg
• Saparmyrat Turkmenbashi	2005	3,000 t/leg
• Sea Worker	2008	2,000 t/leg
• Seafox-7	2008	2,000 t/leg
• JB-114/JB-115	2009	2,000 t/leg
• Goliath	2009	2,000 t/leg
• Swift 10	2010	2,750 t/leg
• Yme MOPUstor	2010	7,800 t/leg
• Deep Panuke MOPU	2010	7,500 t/leg
• Kuroshio	2011	900 t/leg
• JB-117	2011	3,250 t/leg
• Neptune	2012	2,750 t/leg
• JB-118	2013	3,250 t/leg

Data presented in this product sheet is for information only and subject to change without notice.

The Netherlands

Karel Doormanweg 66, 3115 JD, Schiedam
 P.O. Box 687, 3100 AR Schiedam

Telephone +31 (0)10 232 0800
 Telefax +31 (0)10 232 0801

www.GustoMSC.com