The Jack Up Construction Vessel “Service Jack” provides a safer, environmental friendly, time and cost effective alternative for load out, transportation, offshore installation and hook up of platform structures. The Jack Up Construction Vessels are fully self contained, able to install offshore structures with weights ranging up to 7,200 T, replacing the need for several barges, tugs, crane- and accommodation vessels normally associated in offshore field development.

The Jack Up construction Vessels are less weather sensitive than any competing technology for offshore load transfer operations.
“SERVICE JACK” Versatile Units offering:

Load out of structures by own gear
• Transportation to field by own propulsion
• Positioning and station keeping by DP2 system
• Elevation of laden hull by jacking system
• Installation of structures by skidding or lifting
• Accommodation and tender rig during Hook Up phase

SERVICES:

Platform installation
• Accommodation
• Platform modification & maintenance
• Wind Turbine Installation
• Subsea installation
• Decommissioning
General Specifications

**HULL MAIN DIMENSIONS:**
- Length: 111.8m
- Breadth: 50m
- Deck Area (main deck): 2500m²
- Transit draught: 5.9m
- Loaded draught: 7.4m

**LEGS & SPUD CANS:**
- Number of legs: 4
- Leg Length: 130m
- Spud can area per leg: 183m²

**OUTFITTING & EQUIPMENT**
- Accommodation: 260 men
- Thrusters stern: 2x2.5+1.7 MW
- Thrusters bow: 3x2.5 MW
- DP: Kongsberg DPS 2
- Main engines: 15.2 MW
- Skidding system: 7200T
- Cranes: 2x750T
- Helicopter deck: S61N
- Ballast pump capacity: 3000T per hr

**LIFTING/LOAD TRANSFER CAPACITY:**
- By Skidding: 7200T
- Revolving cranes in tandem: 1500T
- Hook travel (sub sea): 350m

**ALLOWABLE DECK LOADING:**
- Uniform deck loading: 10 T/m²
- Line load at longitudinal bulkheads and stringers: 300 T/m
The ServiceJack Concept

Barge shaped jackup construction vessel

- Self propelled
- Accommodation for 260 people (447 on the COP unit)
- Skidding system (7200 t payload)
- Two mast cranes (1,500 t through tandem lift)
- Diesel electro and DP2 system

Safe and environmental friendly operations

- Stable platform for offshore construction and decommissioning work
- Reducing number of vessel normally required
- Soft landing of structures and operations fully reversible
- Less fuel consumption and CO2 emissions

Versatile unit

- ServiceJack is operating in up to 90m water depth
- 90% of new fixed platforms to be installed in shallow water (less than 100m)
- 85% of new platform topsides with weights below 7,000
- Load out of structures by own gear
- Transportation to field by own propulsion
- Positioning and station keeping by DP2 system
- Elevation of laden hull by jacking system
- Installation of structures by skidding or lifting
- Accommodation and tender rig during hook up

Predictable execution

- Less interface problems
- Less weather sensitive than any competing te
- Soft landing of structures and operations fully reversible
- Less fuel consumption and CO2 emissions

A single ServiceJack replaces several barges, tugs, crane and accommodation vessels