

HC1100



Inline
Active
Heave
Compensation

The highest
workability,
safety and
control for
floating lifts
up to 1100mT
& 3,5m Hs

The Heave Chief 1100

The below the-hook Active
Heave Compensator with
supreme functionality
based on patented
Spring Balance Technology:

- Easy docking: Follow mode at 0-100% SWL
- 0% rehits due to automated fast lift
- Fully customizable tensioning up & down
- Motion compensation up to 95% with 7,5 cm residual motion
- $DAF < 1.1$
- Real time, online data logging of system performance & motions
- Pre-lift workability advice
- All knowledge in-house: 100% designed, serviced & supported by Seaqualize

Increase workability with
~30-80% for feeder lifts or
floating set downs.

SEAQUALIZE

BALANCED HEAVE COMPENSATION

The Heave Chief 1100

Highest workability, safety & control for floating lifts up to 1100mT

Key specifications:

SWL: 1100 mT (lifting) or 1000 (set-down)

Stroke: 3.5 m

Max. speed @ 100% SWL: 0,9 m/s

Max. residual motion: 0.075 m

Max. residual DAF: 1.1

Power draw @ 100% SWL: ~30 kW

Operational battery life: 10-12 hrs

Recharge time: ~3 hrs

Tool height : 11.3 m

Height betw. lifting points (retr./
extended): 13.9 / 17.4 m

Max. width

(retr. / extended): 7.2 / 11.8 m

Track record (Nov-2024):

> 100.000mT

~ 400 open ocean lifts

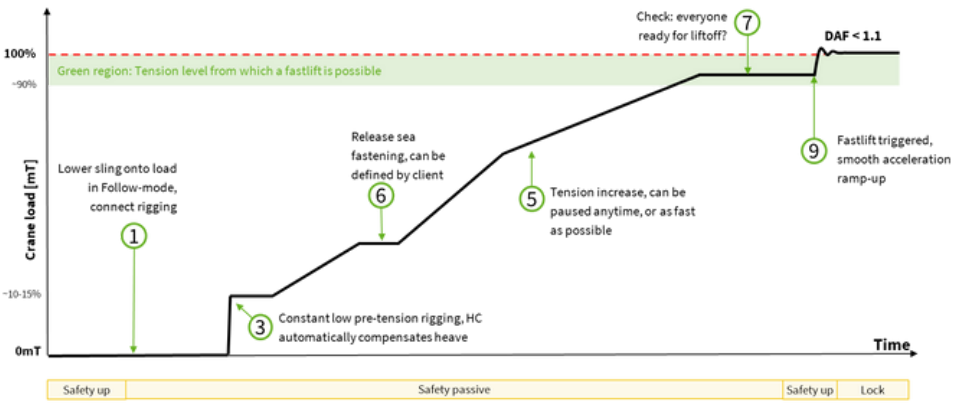
99+ % uptime

System mobilization: < 24 hrs

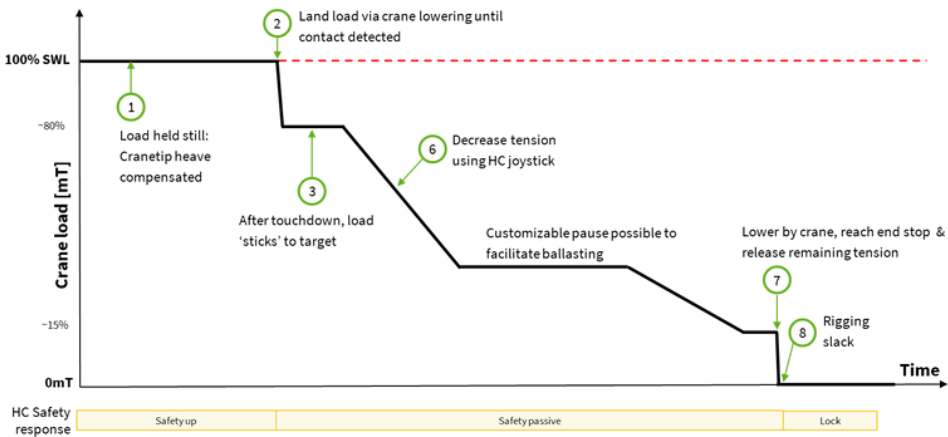
Add-ons: transport & holding frame single
point lifting beam, SealinQ data network

Product
Certified:
DNV-ST0378





Load build up procedure during feeder barge PICK-UP operation
crane load versus time



Load build up procedure during feeder barge SET-DOWN operation
crane load versus time

	Pick up operation		Set down operation	
	From fixed	From floating	To fixed	To floating
Fixed Crane	Little relative motion	1100mT 3.5m stroke 0.9m/s velocity	Little relative motion	1000mT 3.5m stroke 0.9m/s velocity
Floating Crane	1100mT 3.5m stroke 0.9m/s velocity	1100mT 3.5m stroke 0.9m/s velocity	1000mT 3.5m stroke 0.9m/s velocity	1000mT 3.5m stroke 0.9m/s velocity

All types of operations in which the HC1100 can increase workability significantly

SEAQUALIZE

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Seaqualize is a young Dutch motion compensation innovator, focusing on heavy load (~50mT-4000mT) transfers and installations for the offshore wind industry. It designs, builds and operates the worlds most sophisticated, award-winning fleet of rental inline Active Heave Compensators (AHCs), deployable in any standard heavy lift crane. We offer clients higher workability, ultimate safety, lifting control and low lifting cycle times. Seaqualize is based in the Netherlands; in Utrecht, the Hague and Rotterdam