

Full-Motion Compensation

X, Y and Z all controlled by inline tooling only

Vertical + horizontal motion control

The company that brought you best-in-class vertical motion control, now includes horizontal (XY) control as well.

Installing heavy loads from a floating heavy lift vessel has never been so controlled: our Full-Motion Compensation series, with load ranges for the largest monopiles, keeps your load still within cm's.

3D motion compensation:

- Available for any load, up to the heaviest monopiles
- Allowed vertical crane hook motions up to 4m
- Controls both single and double pendulum motions
- $DAF < 1.1$ or lower if needed
- Battery powered, easily deployable
- Full SQ 24/7 field support
- Real time, online data logging and camera feeds
- Pre-lift workability advice as decision support
- All knowledge in-house: 100% designed, serviced & supported by Seaqualize

No Taglines!

SEAQUALIZE

WE MAKE YOUR WAVES WORKABLE

The Full-Motion Chief

Combine best-in class heave control with in-line XY control!

Key specifications:

SWL: up to 2500mT or beyond

Stroke: 4.0 m

Max. speed: 1.0 m/s

Max. residual motion: +/- 7.5 cm

Max. residual DAF: 1.1, can be lowered to 1.05

Power draw 100% SWL: ~30 -40kW

Operational battery life: : 10-12 hrs

Recharge time: ~3 hrs

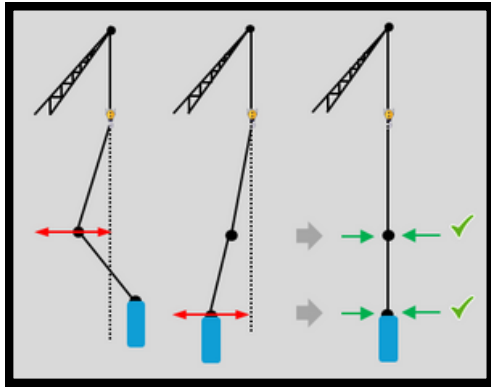
Max. tool height: 11 m

Optional: reduced hook height: 3m

Max. width (retr. / extended): 8.3 / 10.7 m

Weight: 8-10% of SWL

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



The inline Motion Chief dampens the short **double pendulum** motion (induced by adding weighty tooling in the rigging line-up), and the **long single pendulum motion**

Check your workability improvement?

Free of charge:
a customized
study
for your project

Includes Seaqualize Balanced Heave Compensation, 100% passive control in case of emergencies

Tension over the 3,5m stroke is 100% constant and fully customizable

Individually controllable arms for XY control

Redundant groups of Li-Ion batteries

Single liftpoint, can be exchanged for integrated lifting beam to reduced rigging height

More info and video footage?



Interested? Email us at workability@seaqualize.com

Required client input:

- Project location coordinates
- Vessel RAO's or crane tip motion time series
- Basic lifting method statement / order / location
- Performance requirements (e.g. max. DAF, residual motions etc.)

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