



HYDAC

ACTIVE HEAVE COMPENSATION

**HYDRAULIC WINCHES
EASILY TRANSFORMED
WITHOUT EXPANDING
INSTALLED POWER**

Variable displacement motor ensures a constant pressure difference regardless of the load case.

Constant pressure nitrogen bottles create a force equilibrium.

Externally driven piston accumulator stores the wave energy required for heave compensation.

Small actuation cylinder actively drives the system based on a modified signal from a motion reference unit.

HEAVE COM

HYDAC

OFFSHORE

Existing rotating hydraulic winch systems are now easy to convert to the HeaveCom System

New HYDAC technology saves on energy consumption, mass, nitrogen supplies, reduces wear throughout the entire system & extends the area of your application.

YOUR ADVANTAGES OVER TRADITIONAL HEAVE COMPENSATION

- ✓ Up to 85 % more energy efficient
- ✓ Optimized construction
- ✓ No on board nitrogen generation required
- ✓ Less overall wear
- ✓ Existing hydraulic winches can easily be transformed into the Active HeaveCom System
- ✓ Easy to configure as a redundant system
- ✓ Less installed hydraulic power
- ✓ Emergency load holding winch

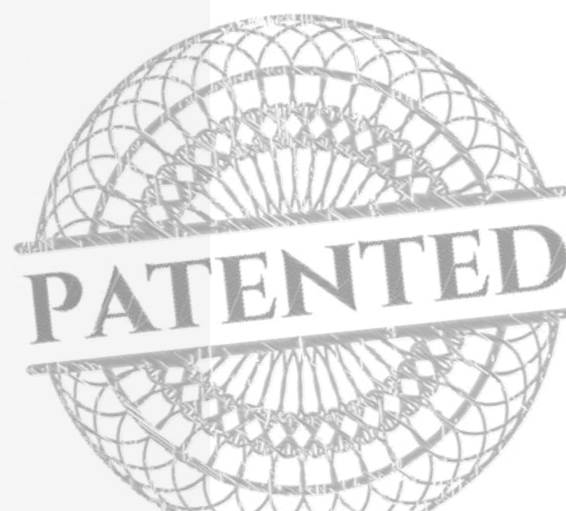
HYDAC INNOVATION

A small actuation cylinder, directly connected to the piston accumulator, compensates for the efficiency losses. Oil flow to the winch motors is regulated based on a modified MRU-signal. The method results in an energy saving up to 85%.

Existing rotating hydraulically driven winch systems are easy to convert to the HeaveCom System. Parallel installation of HYDAC AHC-drive on a winch system provides redundancy to the AHC-system. Direct wear throughout the entire system is reduced, since there is no more need for additional cable disks.

READY FOR COST REDUCTION?

Invite us to tell you more about the magic of our new HeaveCom System; your advantages, the costs and everything you need to know!





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