

Limpet Technology - working with Wind Energy

Access during tower construction



Ladder access



Portable climb assist

Material lifting and rescue



Rotor blade inspection & repair

Service lift replacement



Confined space access & rescue

Offshore load lifting

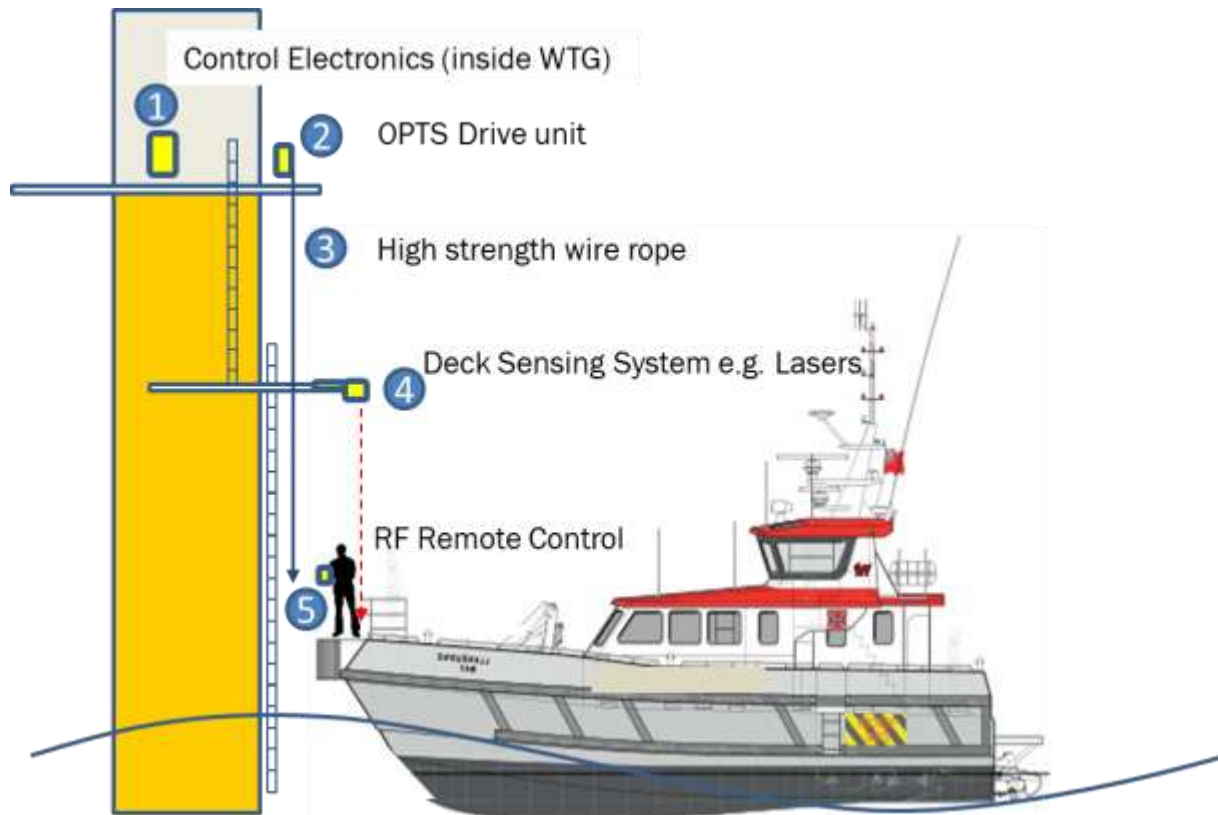


Offshore Access – What's the Problem?



Limpet® Offshore Personnel Transfer System

Limpet® OPTS is a powered rope management system that integrates active heave compensation, remote controlled personnel lifting and ladder fall protection into a single solution.



Limpet[®] OPTS – Sliding Transfer Simulator

- Jan 2017 – Testing begins of Limpet OPTS on CTV Simulator



Simulated Sliding Personnel Transfer
December 2017

LIMPET[®]

TECHNOLOGY

Pioneering Total Height Safety

Limpet[®] Comes to Fife



Limpet Technology's Testing and Development Facility moved to Methil

Working with ORE Catapult

- Limpet® OPTS proven capability in terms of speed and responsive in workshop simulator
- How to bridge between prototype development phase and testing in a live offshore wind environment where access will be restricted?

Limpet® OPTS installation layout at 7MW Offshore Demonstrator Turbine (Leven)



Drive unit

Upper diverter pulley

Lower diverter pulley

Laser deck tracking system

Levenmouth 7MW offshore demonstrator turbine offered the perfect solution, providing a controllable and accessible location in a real-life test environment

BACKING
THE **GAME**
CHANGERS

LIMPET®
TECHNOLOGY

CATAPULT
Offshore Renewable Energy

Testing Limpet OPTS on the 7MW LDT

- May 2017 – Limpet OPTS testing on LDT....this continues to date



Control Electronics Cabinet

Remote control receiver box

OPTS Drive Unit

Status Beacon

e-Stop buttons

Deck Tracking Sensors

Steel wire rope terminated in bumper weight and connection ring

Early May 2018 – OPTS installed for 1st time onto live wind farm

Limpet OPTS – Trials in the Irish Sea

- May 2018 – Limpet staff test OPTS



- June 2018 – Training Orsted Technicians for the first time...



