

Suction Pile

# Scour Protection System (ScPS)

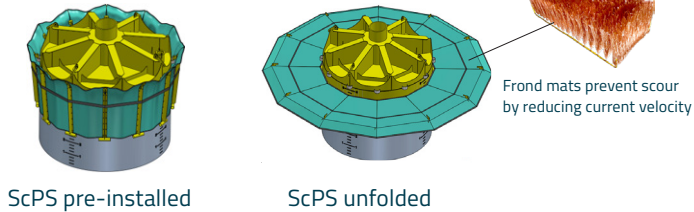
**SPT Offshore**



# Suction Pile Scour Protection System (ScPS)

SPT Offshore has developed an innovative scour protection system around suction piles. The umbrella-like system uses SSCS frond mats, is pre-installed onshore, and is self-deploying during installation of the suction piles.

## Innovation



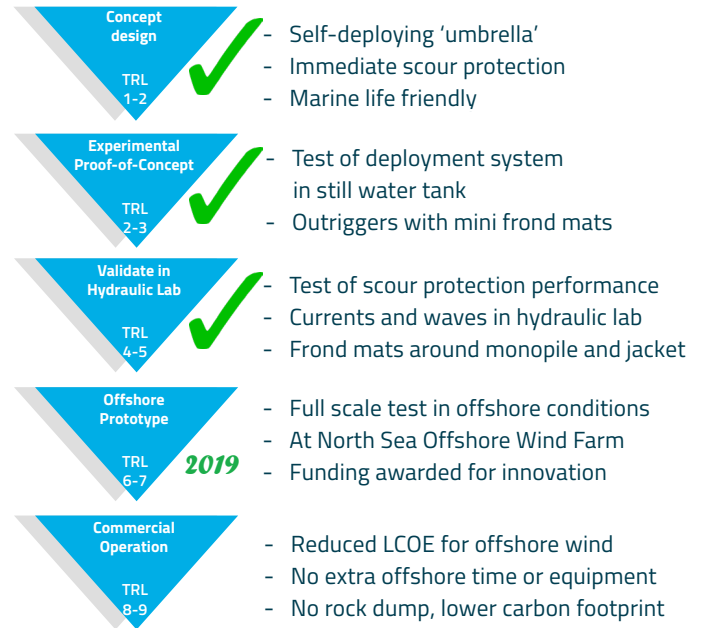
ScPS pre-installed

ScPS unfolded

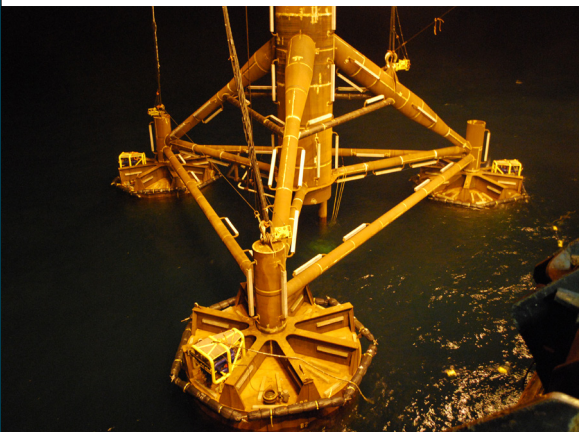
## Benefits

- Immediate scour protection
- Less edge scour
- Environmentally friendly
- Diverless deployment
- No extra marine spread
- Cost efficient  
(for a 3-legged jacket a cost reduction of 50 to 60% compared to loose rock scour protection can be achieved)

## Development



Test of deployment system in still water tank



Early concept: SSCS frond mats applied at SIP1 for Ithaca Jacky



Joint Industry Project JIPHaspro. Performance tests in Delta Flume at Deltares