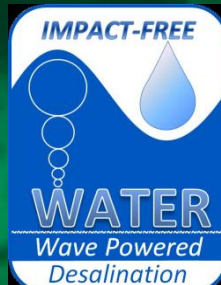


THE WEROP

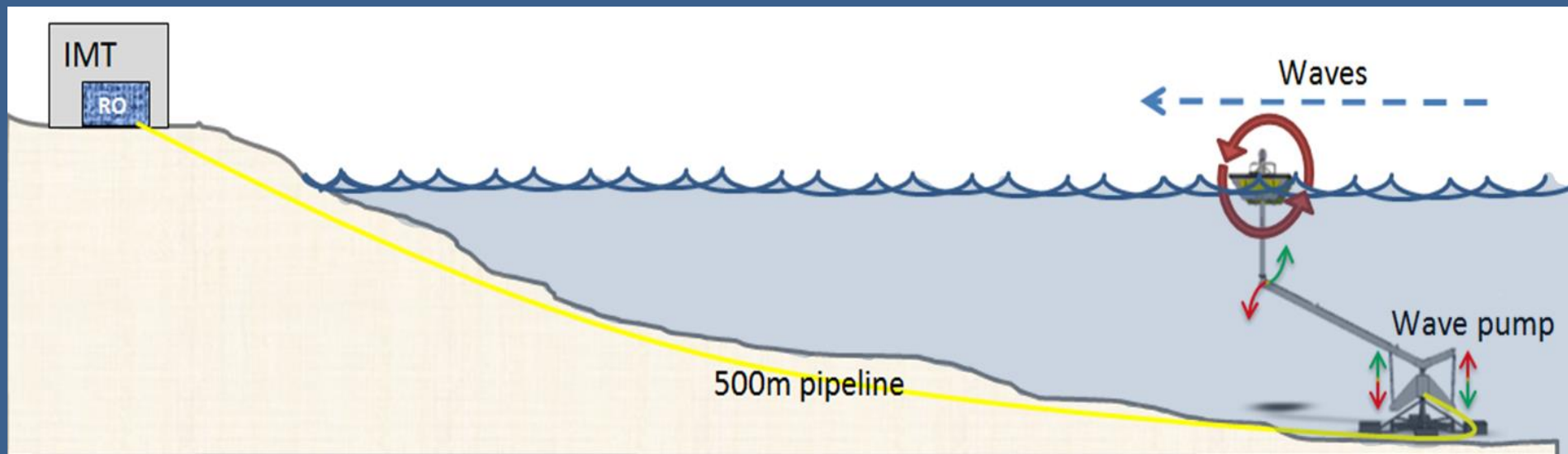
Wave Energy Reverse Osmosis Pump Development Status 2015



Simon Wijnberg
Impact-Free Water (Pty)Ltd
simon@impact-freewater.com

WEROP


Concept





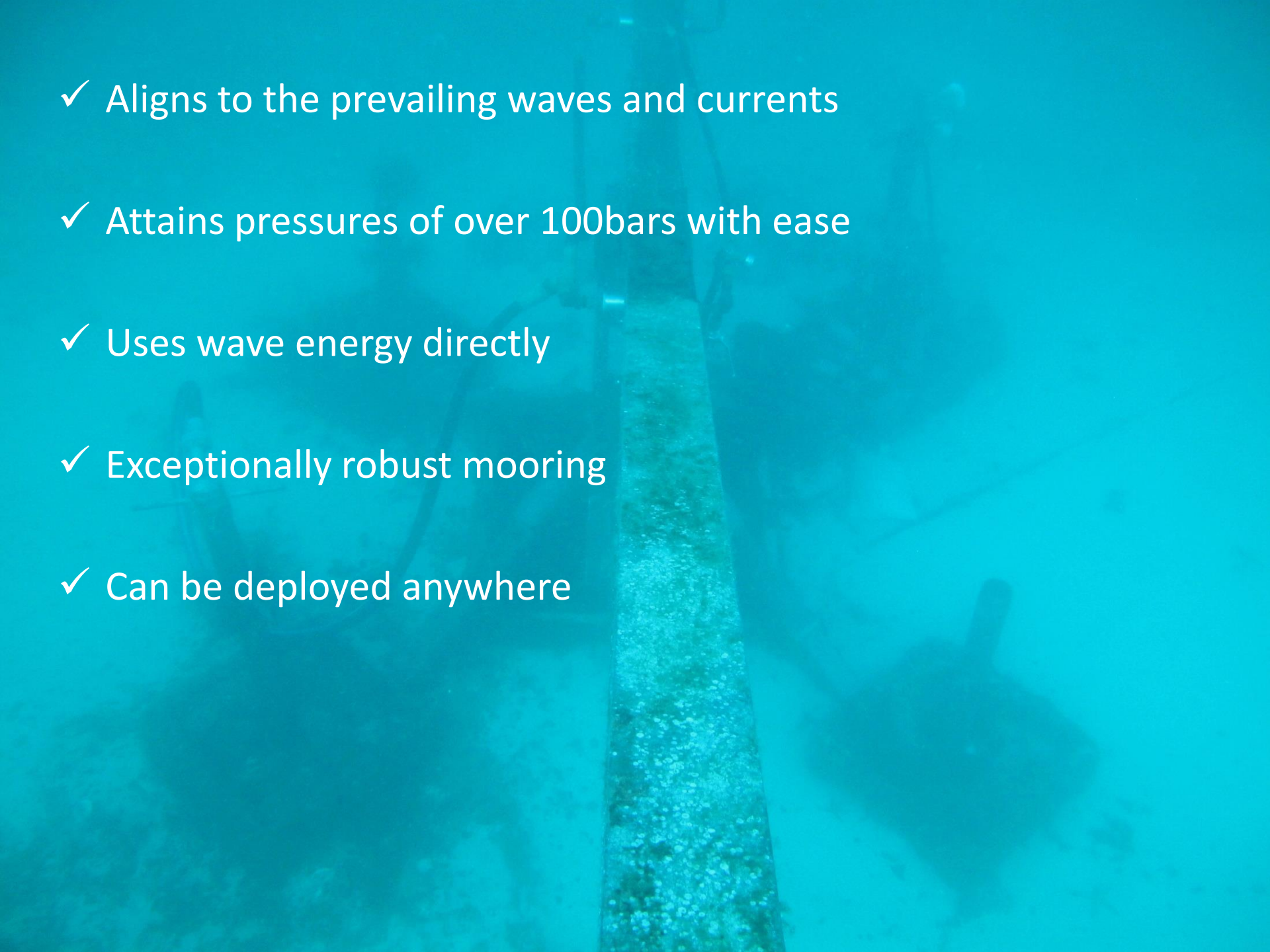
Aim:

- 1. Use wave energy to:*
 - i. desalinate sea water directly*
 - ii. produce electricity as a by-product*
- 2. Empower communities to develop sustainably*



❖ Other Potential By-Products & Benefits:

- Mariculture:
 - Protein
 - Bio-fuels
 - Omega-3 Fatty Acid Oils
 - Pharmaceuticals
- Mineral extraction
- Revitalising local fisheries

- 
- ✓ Aligns to the prevailing waves and currents
 - ✓ Attains pressures of over 100bars with ease
 - ✓ Uses wave energy directly
 - ✓ Exceptionally robust mooring
 - ✓ Can be deployed anywhere

What next?

Commercial demonstration: scaled-up version



- ❖ *Very specific target markets & clients*
- ❖ *Drive for commercial viability*