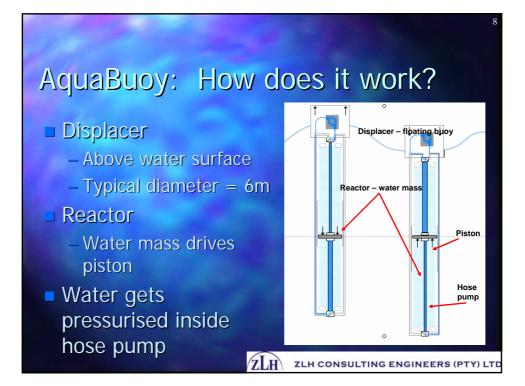
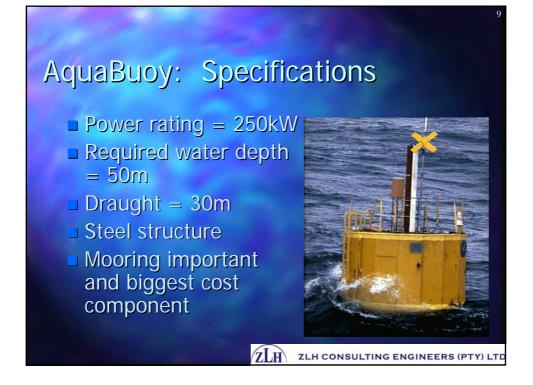


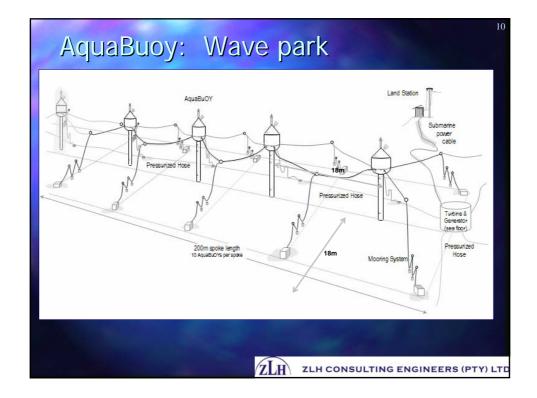
Point absorbers: AquaBuoy

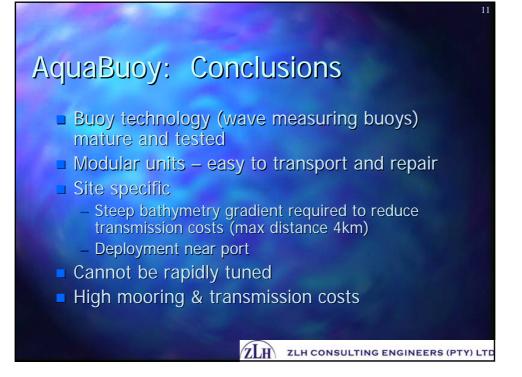
- Originally AquaEnergy Group now Finavera renewables
- Based on IPS buoy -Swedish hose pump
- Projects: US, Portugal, Canada & South Africa



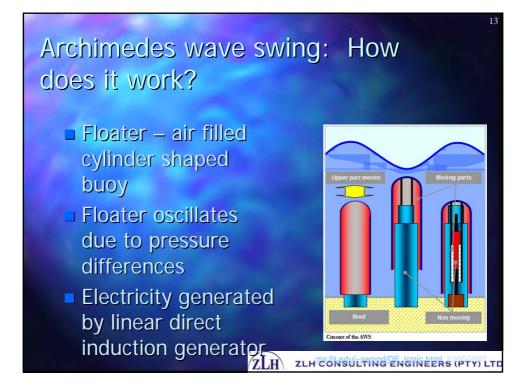


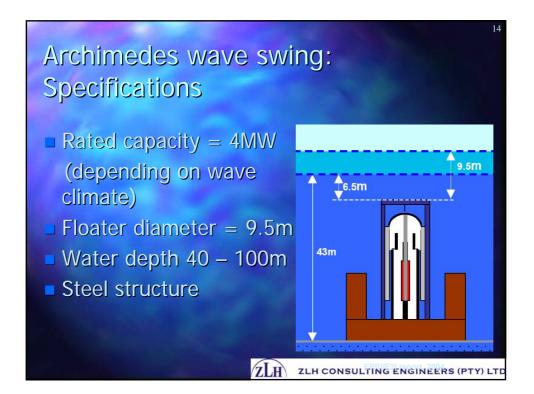




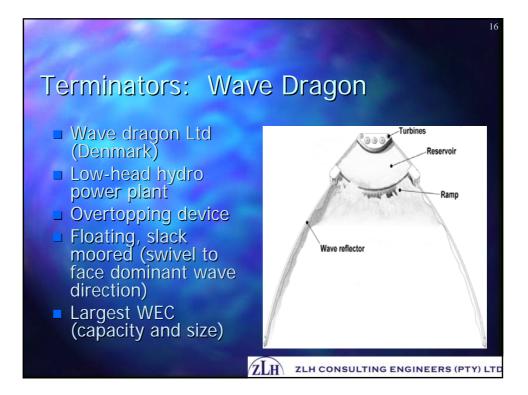








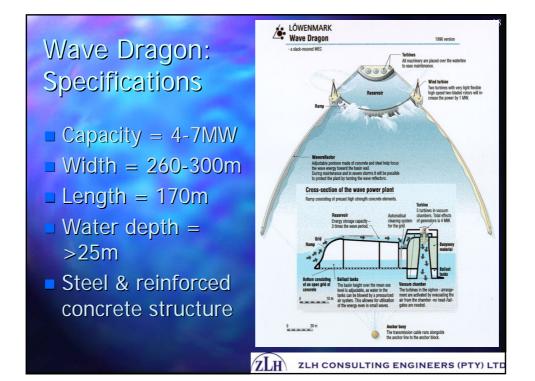


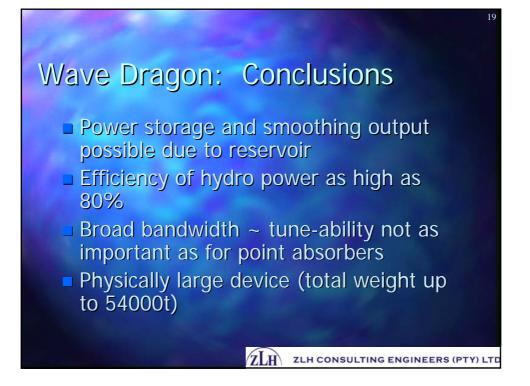


Wave Dragon: How does it work?

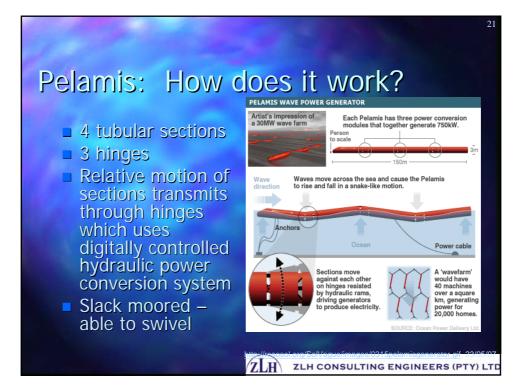
- Reflector arms focus waves onto double curved ramp and into storage reservoir
- Water runs from reservoir through simplified Kaplan turbines

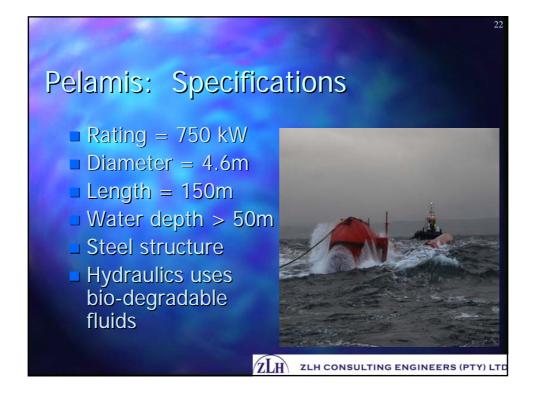


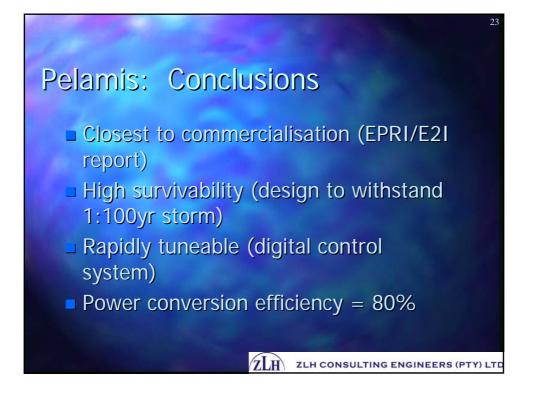




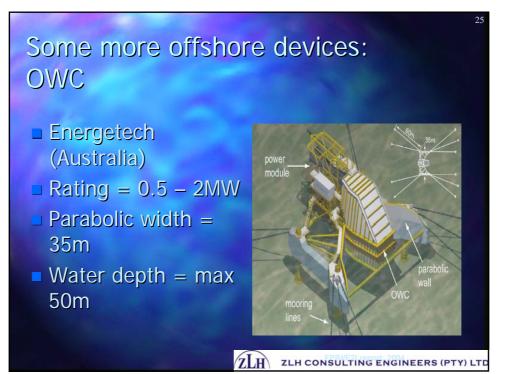


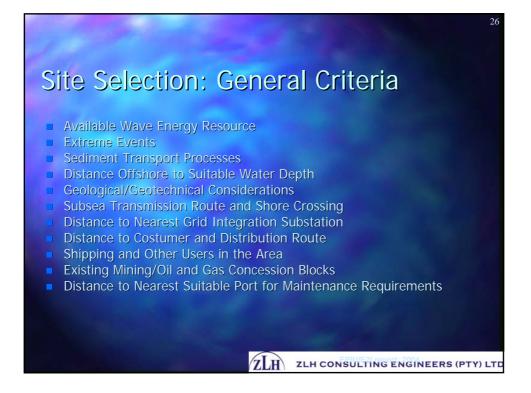












Device Selection – SA Context

- Maximize Local Skills for Construction and Maintenance
- Adaptable to Local Wave Climate to Ensure Maximum Energy Conversion
- Scalability/Modularization
- Survival Strategy during Extreme Events
- Accessibility to Maintenance Intensive Components
- Environmental Impacts
 - Coastal Sediment Processes
 - Impact of Catastrophic Failure of Device
 - Impact of Mooring Failure
 - Visual Impacts
 - Risk to Shipping and other users in the area

ZLH ZLH CONSULTING ENGINEERS (PTY) LTE