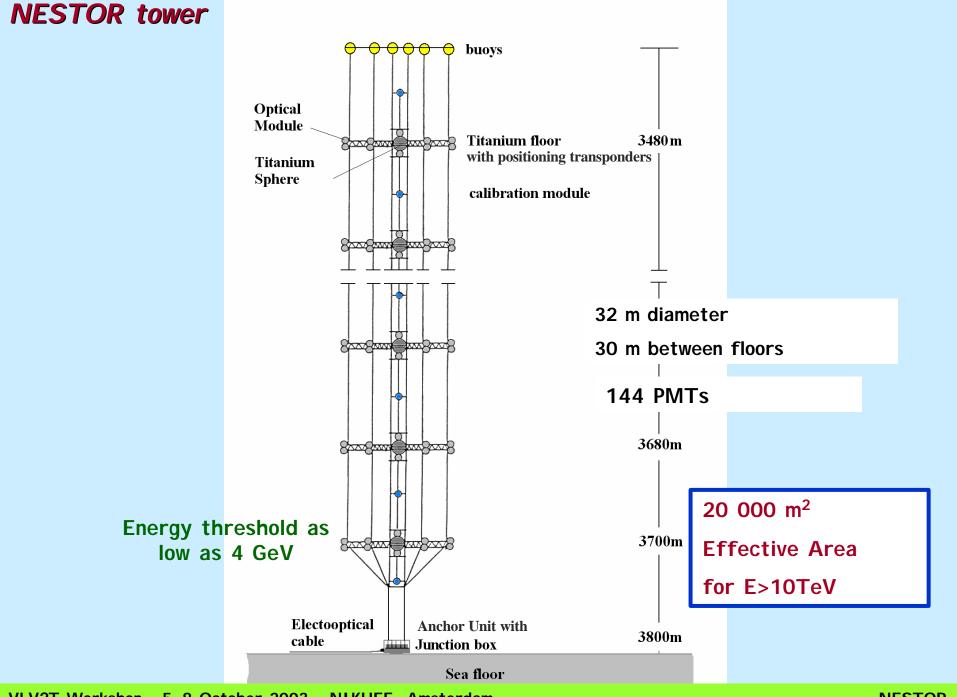


Design consideration

- Modular system with built in redundancy
- "All" connections to be made in air
- Use ships of opportunity and non highly specialized surface vessels for deployment
- Use locally available transport vessels
- No use of bathyscaphs or ROVs
- Retrieval and expandable
- Inoxidable material

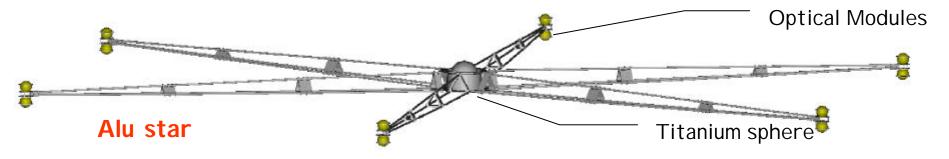
Material considerations

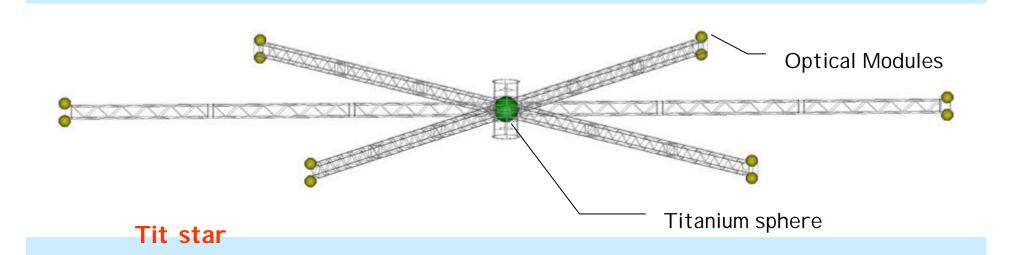
- **►Inoxidable** material
- Stainless steel > inoxidable > many alloys > sensitive in cavity corrosion > steel ropes and shackles
- Aluminium > special alloy > anodized
- Titanium
- Plastics > PVC, Polyethylene > ropes
- Glass fibers > light and strong > water ingress?
- Glass > PMT > housing > inoxidable
- > Isolation with plastic or rubber



NESTOR star

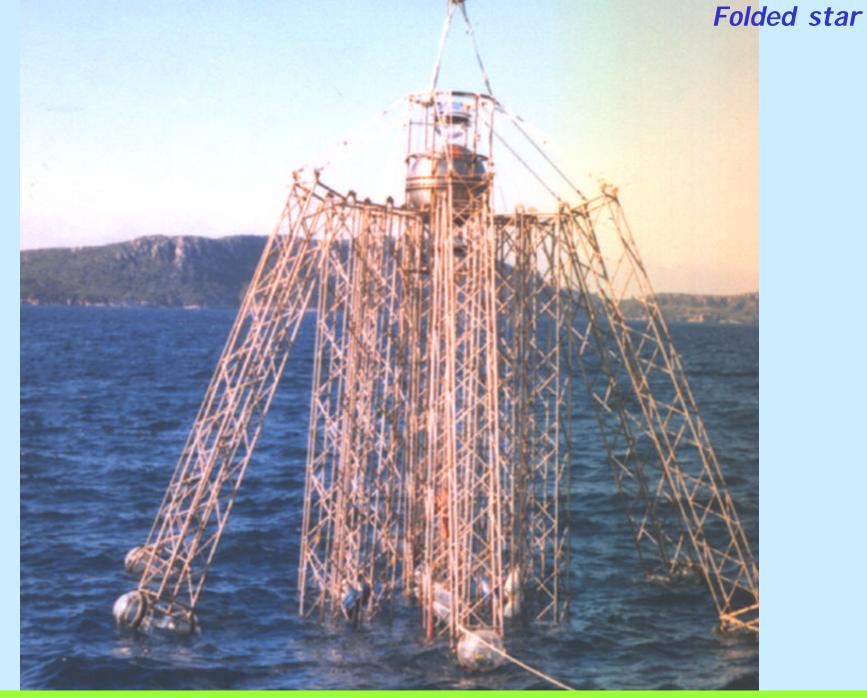












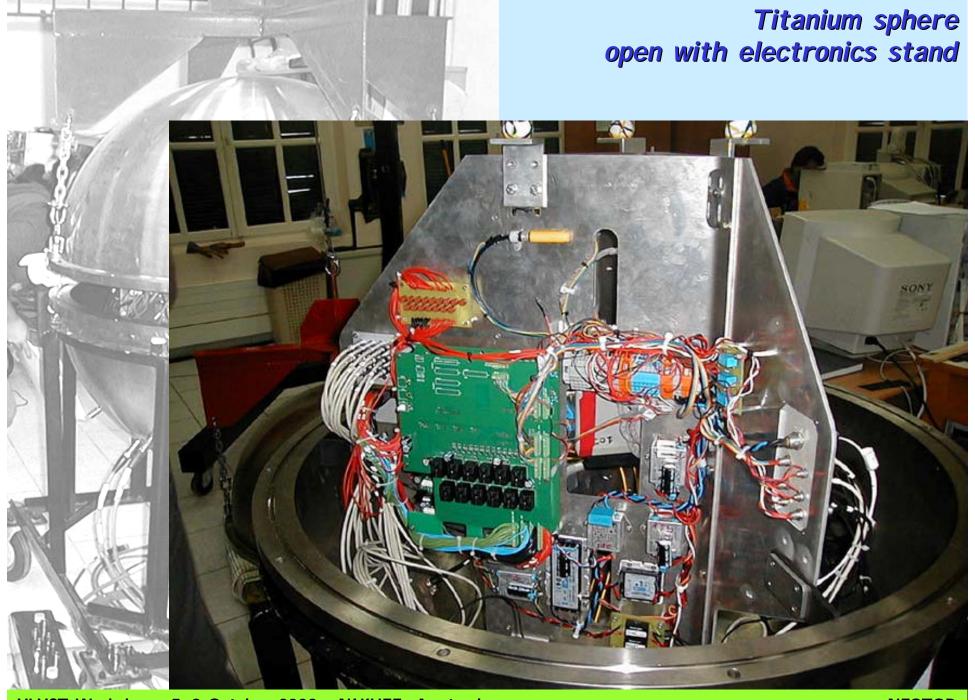


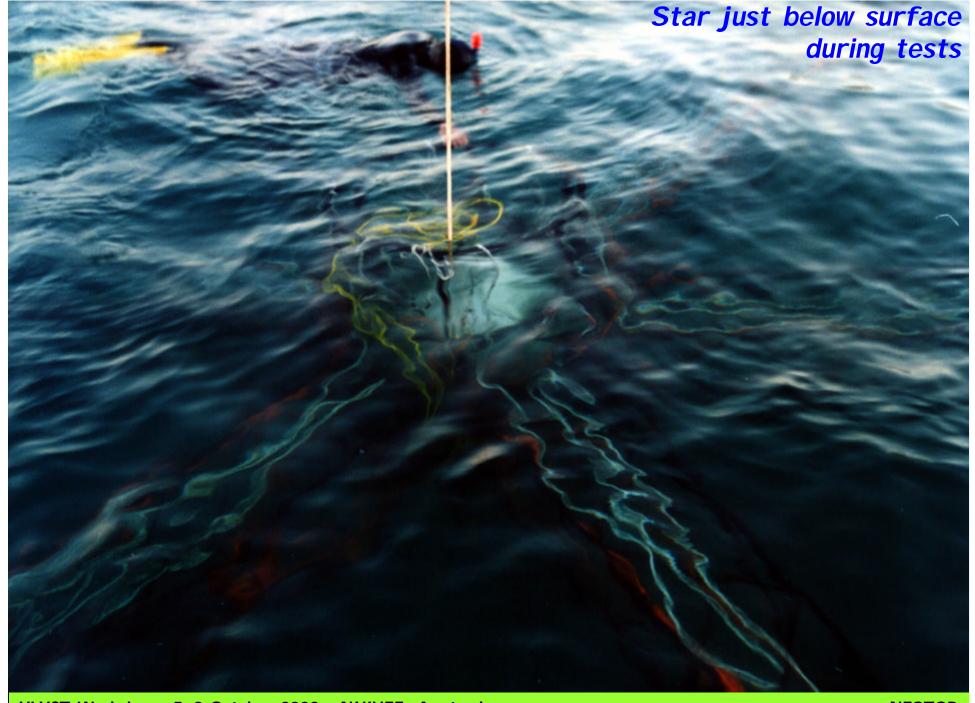


Titanium sphere



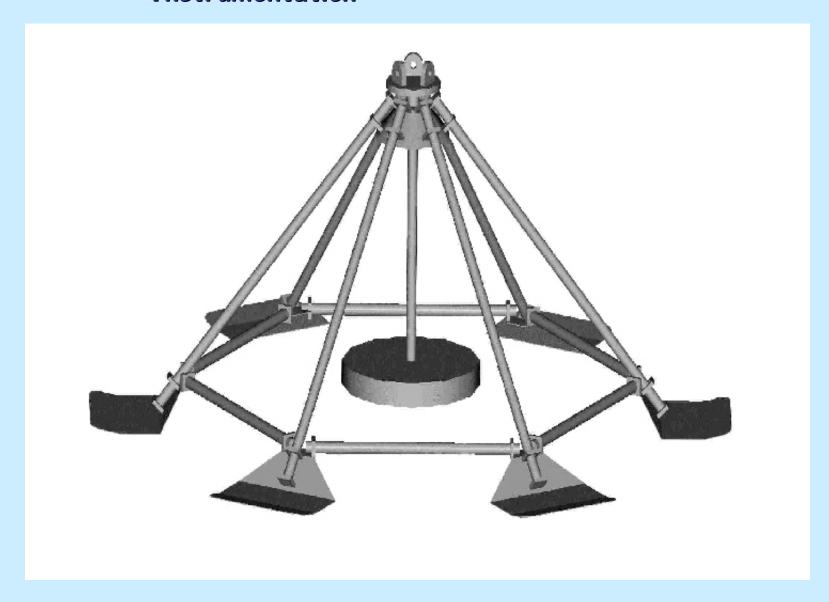
VLV?T Workshop - 5-8 October 2003 - NIKHEF, Amsterdam







Anchor Unit with Environmental Instrumentation

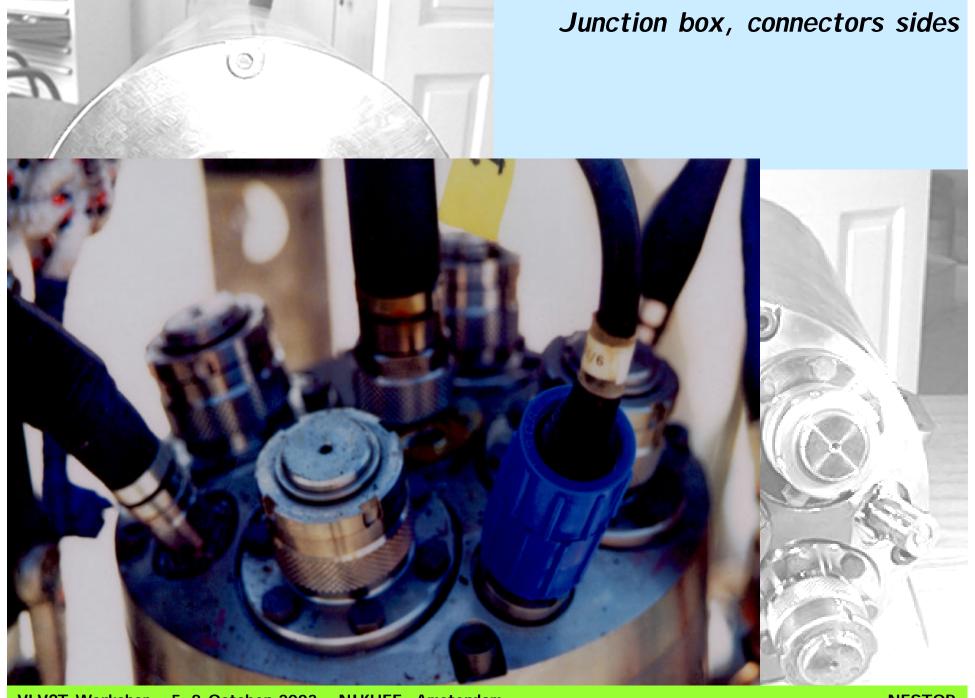










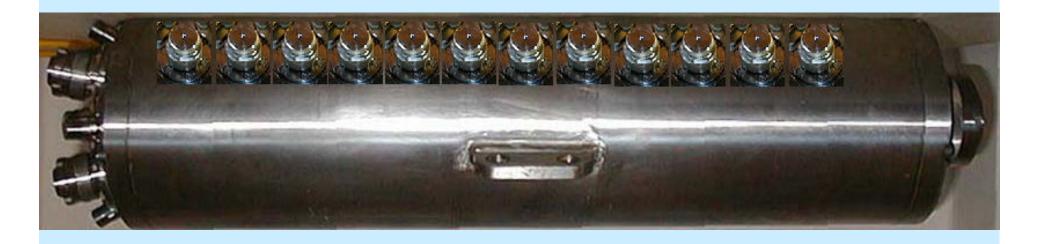


JB box

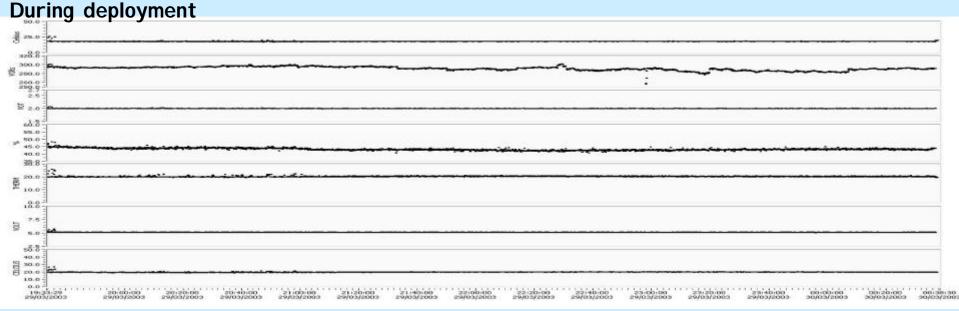


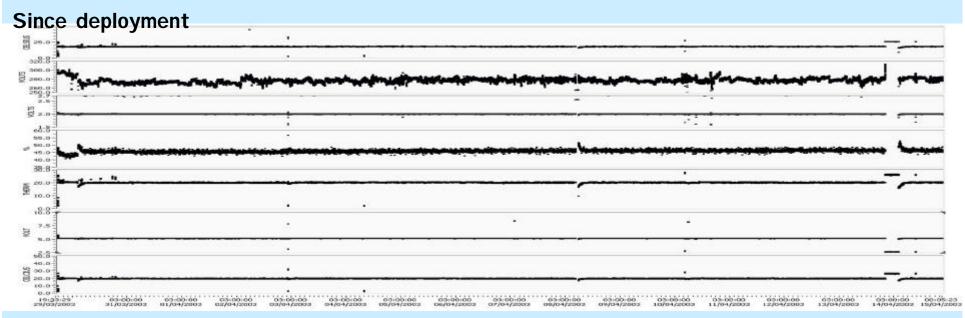
JB box with connectors on the side (simulation)









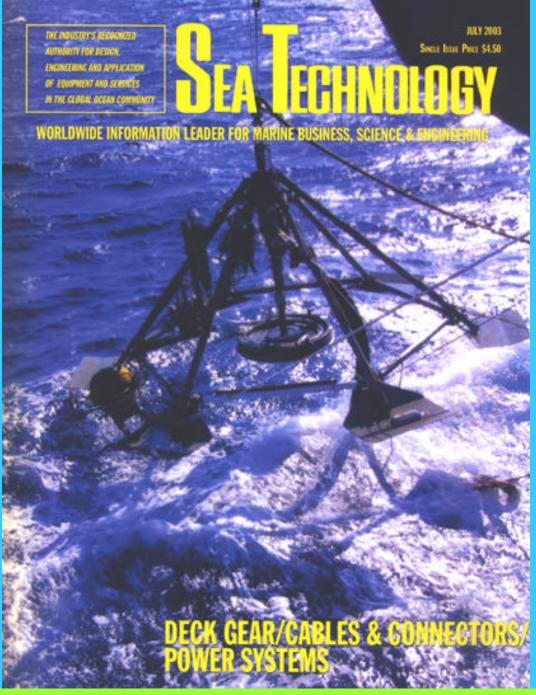




using the

cableship RAYMOND CROZE (FranceTelecom)

30th of March: The first deep sea muon data transmitted to shore; through a 30km long electro-optical cable to the Methoni counting room



end

Imstiftufte NESTOR