KYOWA Filter Unit
Subsea EXPO 2017, Aberdeen
What is the KYOWA Filter Unit?

Extremely strong environmentally friendly textile net used for protection of equipment and systems in subsea environments. It is used as an alternative to rock dumping in specialised applications.

Applications:

- Pipeline floatation prevention
- Cable/Pipeline crossings
- "gentle slope" / landfall of cables/pipelines
- Cable/pipeline protection
- Dropped Object Protection
- "spotdumping" in tight areas close to subsea structures
- "tie-in spool" protection
- Uneven seabed solutions
How do they look?
Project Lifecycle Cost

- Capex
- Installation
- Maintenance
- Decommissioning

Up to 50 year lifespan for net material in seawater

5. Conclusion

The result of acceleration test of soaking nets in saltwater equivalent to 50 years was as follows.

Remaining tensile strength ratio without load for 2ton type was 79.5%, 4ton type was 84.7% and 8ton type 91.6% which was almost more than 80% for all types.

For 2ton type and 4ton type, the remaining tensile strength ratio was better with load.

Therefore we infer that Filter Unit can secure more than 80% remaining tensile strength ratio at acceleration test which is equivalent to 50 years.
PROJECT EXAMPLES
Pipeline support / stabilisation
Solved floatation / moving pipeline
Bellmouth protection
Cable protection
Improved efficiency!
Clients and end users
Thank you for your time.