

Werkvergadering

Mariene biotechnologie in Vlaanderen

SIOEN at a glance



- Founded in 1960
- HQ in Ardoonie
- 3 divisions: Coating, Apparel and Chemicals
- Ca. 4.500 employees
- Turnover of ca. 300 Mio EUR in 2010
- 38 subsidiaries in 13 countries
- Sales in more than 80 countries
- World market leader in coated textiles

SIOEN at a glance



We extrude – spin multifilament yarns



- One of the most modern spinning mills in the world (Moucron)
- 16.000 tons of polyester and/or polyamide high-tenacity yarns
- From 245 Dtex to 6600 Dtex
- High tenacity: 4 – 8 cN/Dtex
- A part of the yarns is twisted in the twisting plant

SIOEN at a glance



We weave

- Two plants in Belgium (Mouscron, Kerksken)
- 250 looms with airjet or rapier technology
- From 150 up to 640 cm width
- Standard and specialized (e.g. rashel) fabrics
- High tenacity fabrics: up to 10.000N/5cm
- From 28 Dtex (teabags; 20 g/m²) up to 6600 Dtex yarns



SIOEN at a glance



We colour

- Production of
 - pigment pastes
 - inks
 - varnishes
 - colour dispersions



SIOEN at a glance



We coat

- Direct coating (Ardooie, Amiens (Fra))
- Transfer coating (Moucron)
- Online coating (Ardooie)
- Extrusion coating (Ardooie)
- Calendering (Moucron)



SIOEN products for marine applications



Oil booms

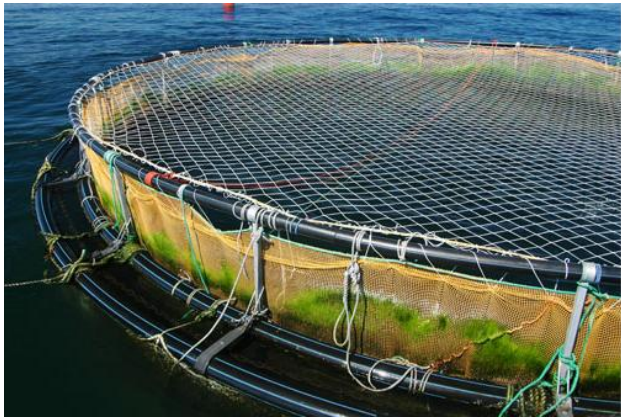


Ropes



Flotation suits

Liners



Safety nets



Covers



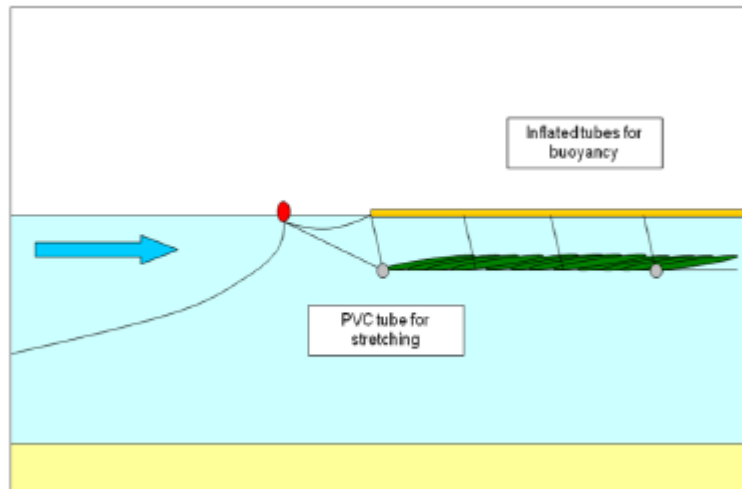
Where are we heading?

Our R&D programme focusses on the global needs for the next 5 - 20 years and where technical textiles can contribute to these needs:

- Demographic evolution
- Safety
- Climate
- Energy
- Ecological awareness

Marine products under development

- Oil absorption mats for oil spill situations
- Waste Free Oceans (WFO)
- Lifting bags for salvage operations
- Flexitanks for water transportation
- Advanced textiles for open sea biomass cultivation (AT~SEA)



=> bio-energy
=> bio-materials

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