



**Visions of  
Tomorrow**

**Engineered  
Today**

# Elomatic in brief

- Finnish engineering and consulting company, established 1970
- More than 1100 experts in various areas of technologies
- Experience on wide variety of technologies, projects and customers – “from surgical tools to cruise ships”
- Four Engineering Business Areas
  - Machinery & Equipment
  - Process & Energy
  - Marine & Offshore
  - Pharma
- Specialties in Machinery & Equipment
  - 70 FEM/ CFD/ MBS experts in Finland
  - Test bench innovation and engineering projects, also EPCM delivery projects
  - Production engineering
    - From concept planning to implementation phases
    - Machines & Devices & Production cells
    - Shop floor & operations
    - Project Management



# Elomatic composite engineering

- Product Engineering
  - All areas of demanding mechanical engineering where weight, corrosion, fatigue or life cycle costs are crucial for the final product performance
  - Highly experienced analysis experts
  - Catia V5 & V6 Composites Workbench (Other design software also available)
- Tooling and Manufacturing Process Engineering
  - Assembly jigs and fixtures
  - Drilling & routing jigs and fixtures
  - Lay-up tools, both metallic and composite
  - Automated production cells
- Project Deliveries
  - Complete project deliveries through Elomatic EPCM concept including Project Management, Engineering, Manufacturing, Quality control and Commissioning
  - All manufacturing outsourced from experiences supply network

# Composite repair analysis and design

- Elomatic has experience in repair analysis and design of aluminium and CFRP – monolithic/honeycomb structures
- References include corrosion repair of Rauma –class vessel bottom structure, where welded repair was not feasible
- Wet layup GFRP - patch co-bonded to blasted surface
- Several aircraft composite primary structure repair analysis also made
- Hands-on repair course and training also available
- Jarkko Aakkula



**When it's time to face the future,  
face it with Elomatic.**

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**Let's connect on LinkedIn!**

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