



CMT - Nordic business opportunities from coating and additive manufacturing

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CMT - Nordic business opportunities from coating and additive manufacturing

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In High-North mining, oil & gas, offshore and metal industries face large challenges in wear, corrosion, fatigue and excessive energy consumption. To address these needs, novel cost-efficient and environmentally friendly surfacing and additive manufacturing technologies based on cold-arc and laser hybrid metal deposition techniques are developed. Development, adoption and commercialisation of high productivity deposition techniques enable:

- Fabrication of low diluted and fusion bonded coatings with enhanced wear and corrosion properties with low friction and anti-icing properties
- Fabrication of large near net-shape 3D metal objects with 30-40% more weight efficient structures compared with conventional manufacturing techniques

Priority: Research and innovation

Project partners:

Centria University of Applied Sciences (FI)
Luleå Tekniska Universitet (SWE)
Tampere University of Technology (FI)
UiT Norges arktiske universitet (NO)

EU-support: 683 444 EUR

IR-funds 121 952 EUR

Total budget: 1 465 635 EUR

Project time: 1.5.2015 – 31.12.2017

Contact:

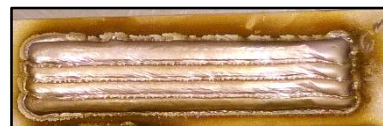
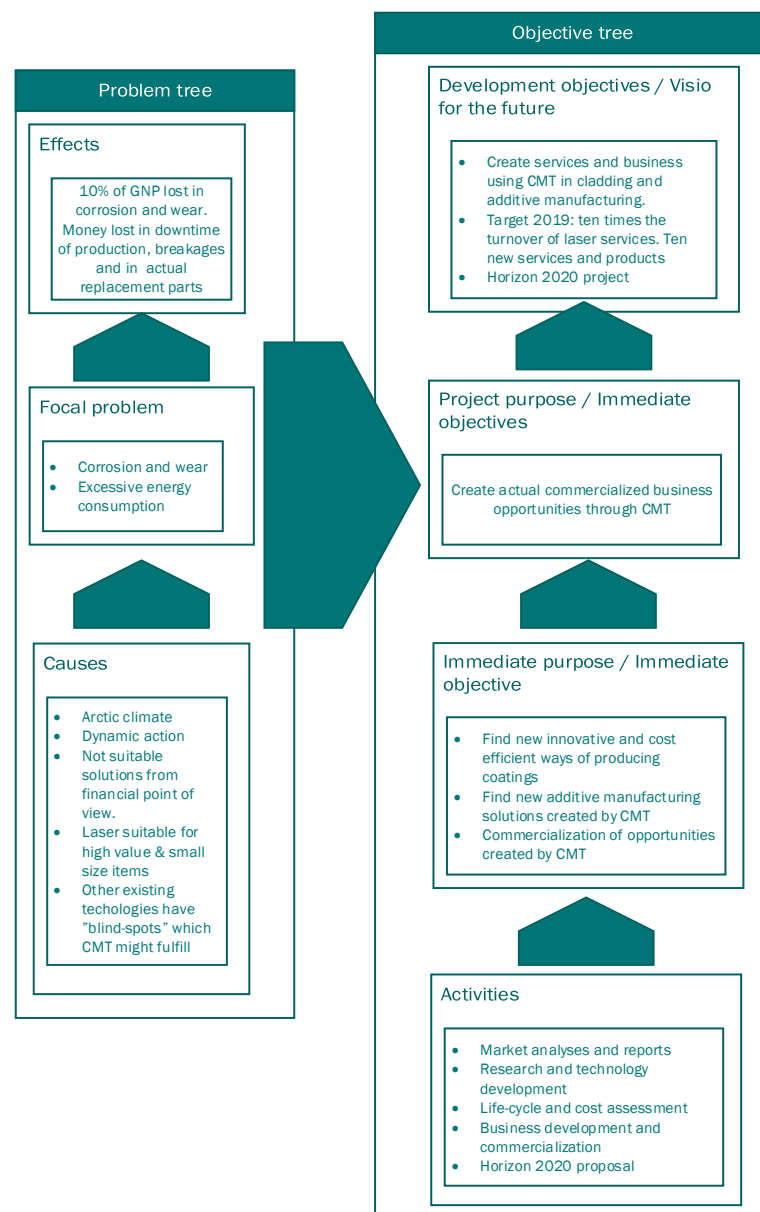
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Need analysis and objectives of the project



First stage CMT-welding test results with DUPLEX 2205 -steel.

