Building a Net Zero Energy Ecosystem

The SFW Veturi (locomotive) development program

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Sumitomo SHI FW

800+
Successful references worldwide

1800
Employees across the globe

20+
Locations around the world

130+
Years of experience

Sumitomo Heavy Industries

7B€
2024 revenue

Sumitomo SHI FW (SFW) – a Finnish company owned by Sumitomo Heavy Industries

SFW's response to decarbonization and climate change mitigation

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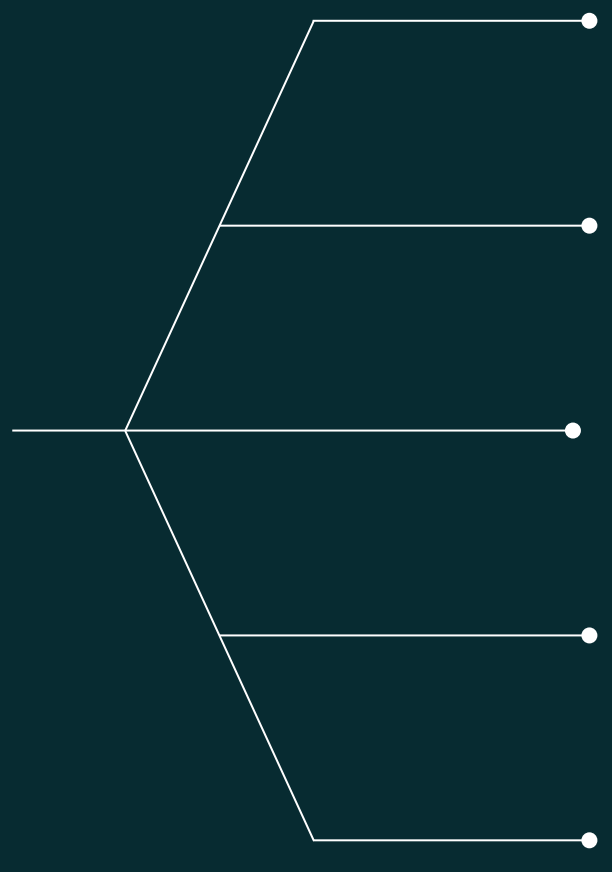
Helping our customers reach decarbonization goals



Energy Generation
Energy from biomass or waste for carbon neutral or carbon negative heat & power applications

Carbon Capture
Decarbonization of heavy industries

Sustainable Fuels
Solid biomass/waste into syngas, biofuels & chemicals

Energy Storage
Long Duration - Enabling net zero grid systems

Services
Life cycle solutions enabling high plant availability and efficiency

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NZEE project aims to solve the decarbonization challenge by collaboratively developing technological solutions and integrating them for the targeted sectors

Grand Challenge

Grand Challenge:
Reaching 100% reliable and carbon neutral energy supply for 2050

Mission

Develop integrated decarbonization solutions to fill in the missing links of the net zero energy ecosystem to make it thrive

Key features

- Develop novel technologies
- Integration of systems
- New business models
- Transformation into solutions provider

NZEE objectives

- **Activate 50+ ecosystem partner companies and institutions**
- **Increase RDI investments by 50 MEUR (+ Ecosystem)**
- **Develop integrated solutions to solve decarbonization challenges**
- **Drive employment and growth of Finnish exports**

Business Finland Veturi program
30 MEUR financial support (SFW + ecosystem)

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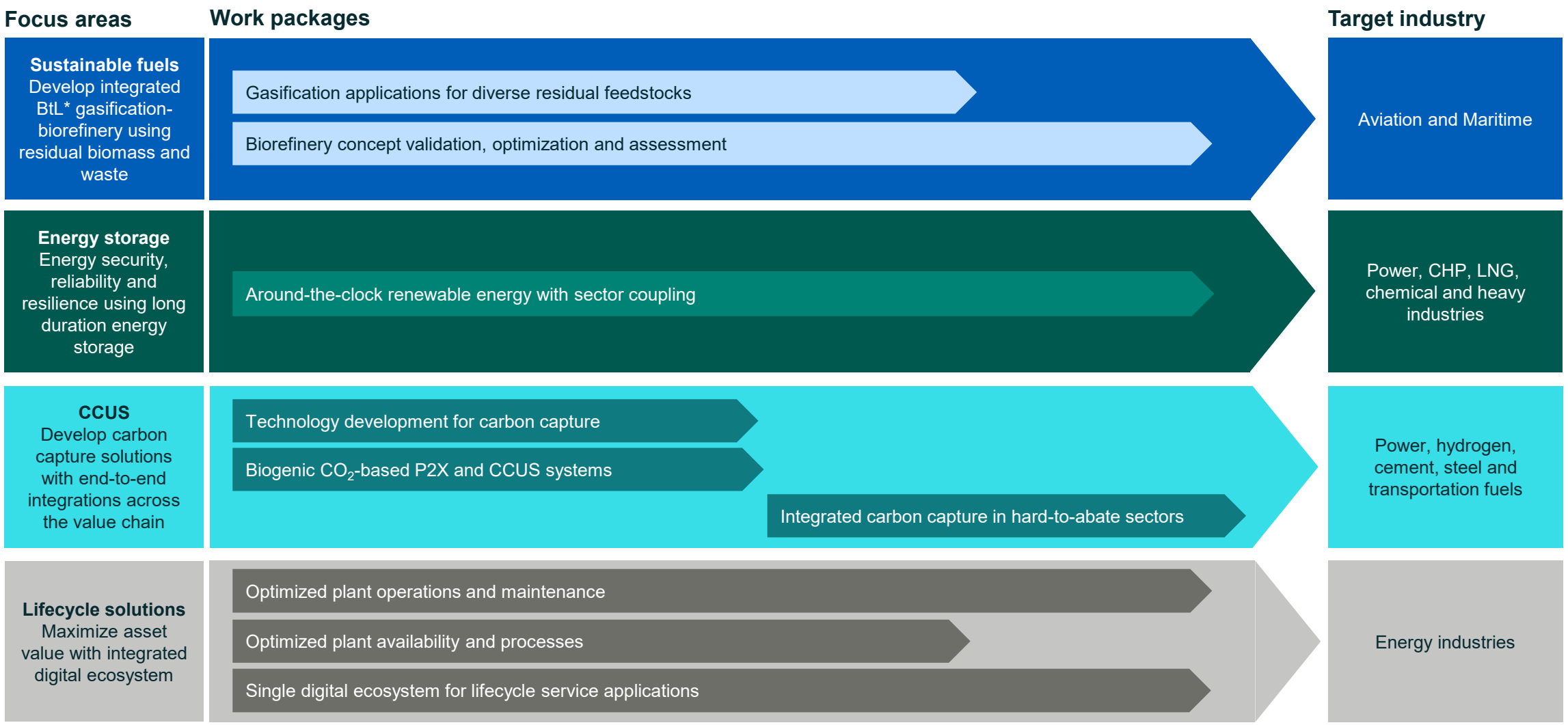
Net Zero Energy Ecosystem Roadmap



* BtL = Biomass to Liquids

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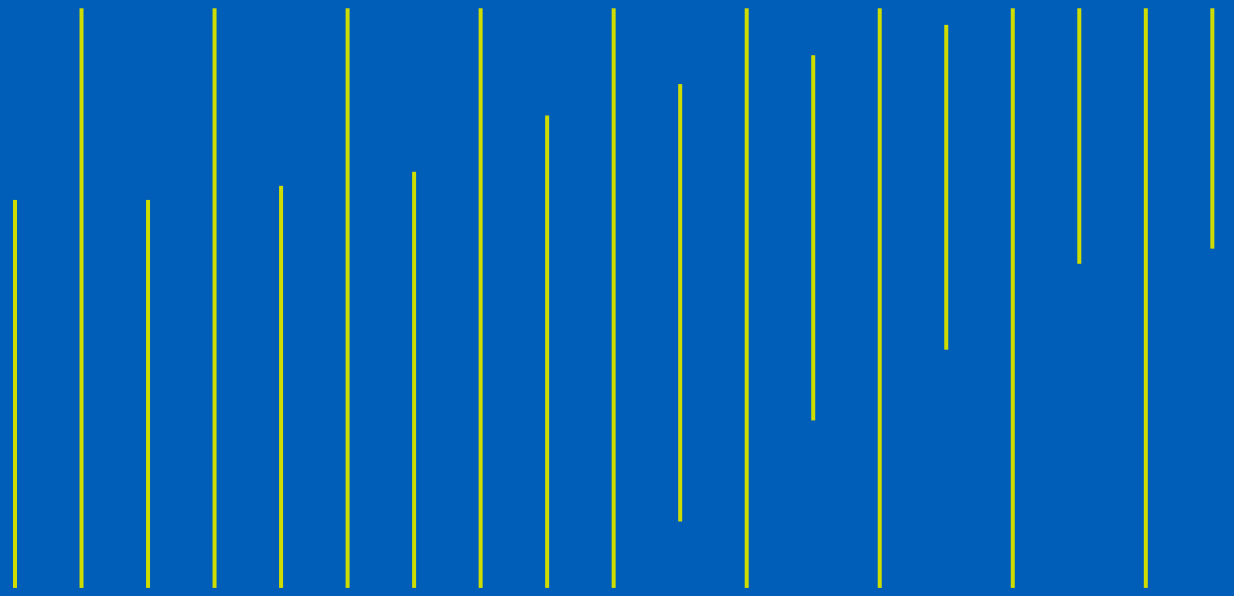
Thank you

www.shi-fw.com



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