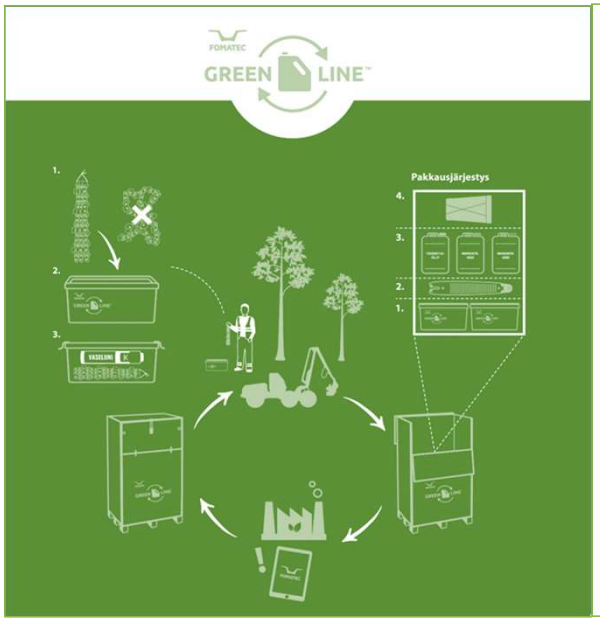
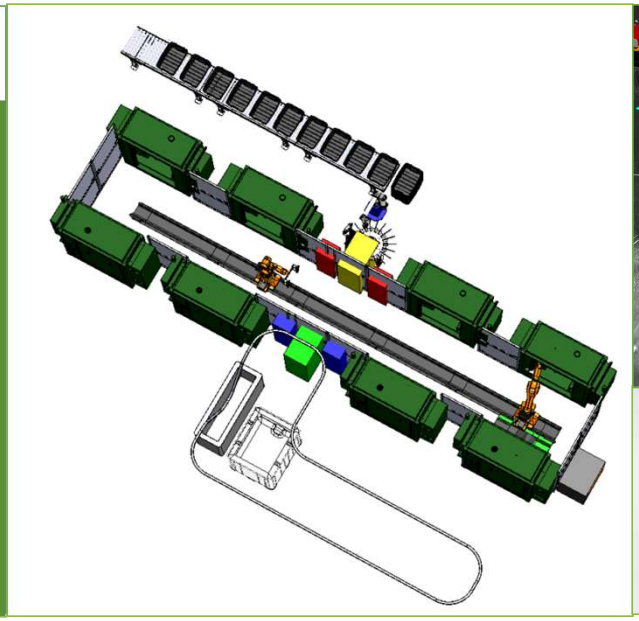
GREENLINE PLATFORM FOR SUSTAINABLE FORESTRY (GLPSF) -PROJECT

EAST AND NORTH FINLAND HIGH IMPACT ACTION KICK-OFF, HELSINKI 11.12.2019, MIKAEL KORKMAN





CONSORTIUM

SMEs

Fomatec Oy, www.fomatec.fi

Lead Partner. Project coordination, Innovative technologies, Sustainable solutions, Circular Economy

Funlus Oy, www.funlus.fi

Service provider. Digitalisation expertise, Digiplatform development

Motoajo Oy, www.motoajo.fi

End User and Customer. Testing environment, feasibility testing, giving customer feedback. Connection to large Forestry companies.

CROs

LUKE, Natural Resources Institute Finland, www.luke.fi

Service provider. Environmental impact analysis (Screening LCA)

University of Eastern Finland (UEF), DigiCenterNS, www.digicenterns.fi

Advisor. Digitalization expertise, Digital transformation, IT service management, IT support and customer service processes.

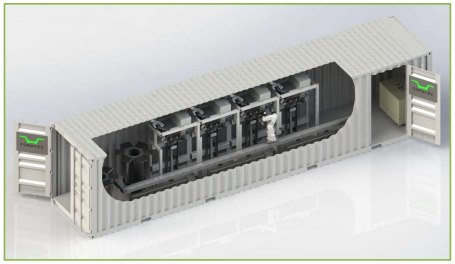
PROJECT IDEA

GreenLine platform for Sustainable Forestry –pilot

First prototype ready and tested. In this project further development and testing in operational environment.

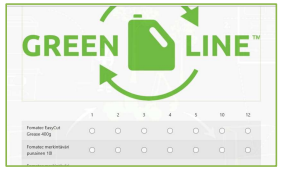
Innovative technologies
Improved automatisation

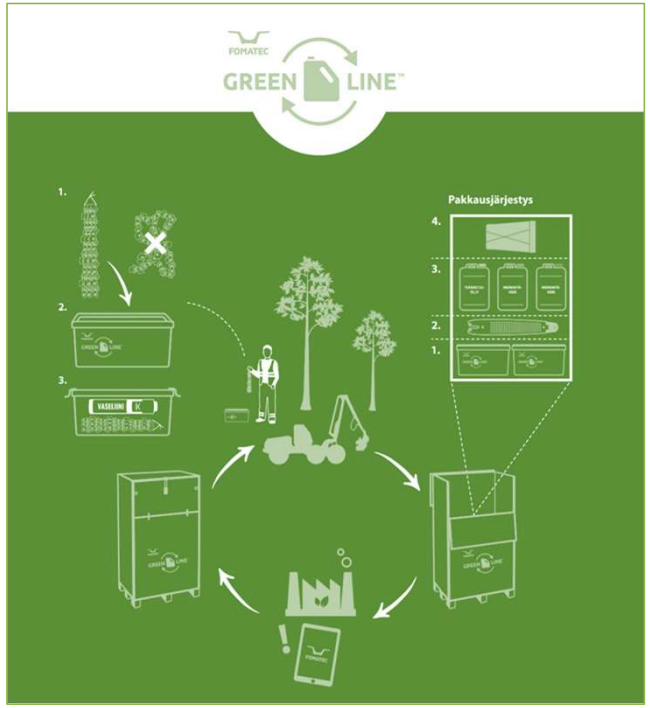
SHARP automation



Digitalisation, digital platform for sustainable service and storing

EASYORDER





New solution for recycling
Low carbon solutions

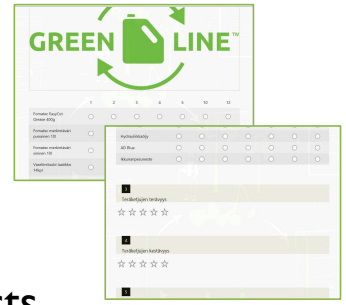
GL storage units

Innovative technologies

EASY CUT harvester saw chain guide bar

TASKS AND OUTCOMES

TASK 1: Development and testing of the GL digital platform for sustainable service and storage management (Funlus Oy, UEF)



TASK 2: Analyzing the environmental impacts and benefits of GL platform (LCA, Carbon footprint). Adding environmental data information and collection to GL digital solution (LUKE)

TASK 3: Testing of the GL platform in operational environment (Motoajo Oy) + testing of the logistics based on information of digital solution (Fomatec Oy)

OUTCOME 1

Ready and tested digital solution for customers to use (TRL 7-TRL8). Less waste and saving of customers' money and time.

OUTCOME 2

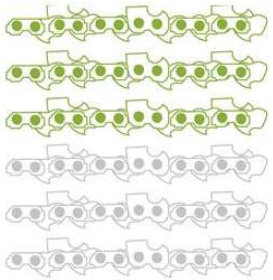
Screening Life Cycle Analysis done, Carbon Footprint ready. Environmental information for Fomatec Oy, for their customers, and, for customers' customers available.

OUTCOME 3

GL Platform close to completion. GL platform logistics is working. GreenLine platform at TRL8

SOME BENEFITS OF GREENLINE PLATFORM

SHARP automation



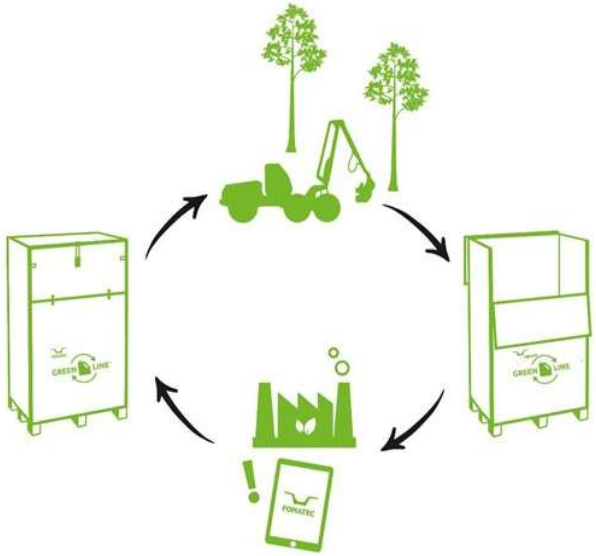
2X Doubles the chains' life cycle

-50% investments to chains

Less chain waste

EASY CUT harvester saw chain guide bar

Up to 10% less fuel consumption



EASYORDER and GreenLine storage units

35% less people needed on purchases and storage → more resources to actual logging

In addition, storage units include recyclable and environmentally friendly products and solutions for loggers to use.

INNOVATIONS
For loggers that care

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