

CIRCULARity – next manufacturing challenges

VOLVO GROUP

Staffan Vidén @ Swedish Manufacturing R&D Clusters Conference

Strategic ambition

Volvo Group's long-term ambition is driving sustainability

Long term ambition

100

Sustainability strategy

Safe → People
Fossil free → Climate
More productive → Resources

%

Circular economy is a key contributor to our transformation

Reasons to transform

Three key aspects why the Volvo Group strive to transform into a circular economy company



Improve resource efficiency
Reduce emissions & waste
Improve working conditions



Increase revenues
Reduce costs
Reduce risks



Meet customer expectations
Comply to regulations
Attract talent

In focus for Volvo Group circular economy transformation

Interview study KTH RICET, spring 2022

- ✓ Still low focus on circular economy
- ✓ Several circular strategies already applied
- ✓ Few closed resource loops
- ✓ Need for increased awareness and knowledge
- ✓ True engagement in business ecosystems are rare
- ✓ Lack circular economy targets and measurement

Legend activity level at start 2023

- ✓ = Limited activities
- ✓ = Some activities
- ✓ = Several activities



Rethinking Innovation for a Circular Economy Transition (RICET)

Interview study discussion – Volvo Group initial results
21/4 - 2022

Volvo Group Circular Operations & Solutions - priorities

- Start of circular pilots
 - Circularity in new business models
 - Close material loops
 - Supply chain and operations
- Continued implementation of R-framework
- Awareness & Competence
 - Circular communication & sharing platform
 - Circular training development with VGU
 - Awareness workshops
- Identify critical circular materials list
- Define overall circular target structures and measurements