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Lives with wife and twin daughters





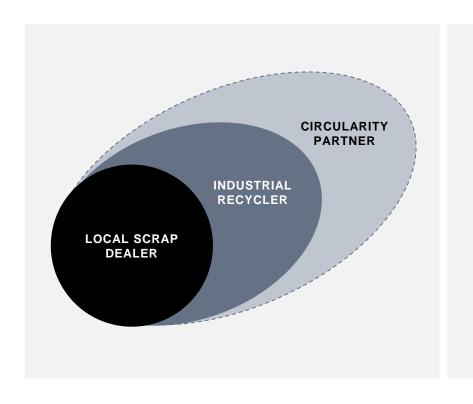
WE **CARE FOR RESOURCES**BY PROVIDING WORLD LEADING
CIRCULAR SOLUTIONS







### STENA RECYCLINGS JOURNEY | From local scrap dealer to circularity partner



**ELECTRIFICATION & BATTERIES** 

CIRCULAR SOLUTIONS & PARTNERSHIP

SCALE REUSE

CIRCULAR CONSULTING

DIGITAL OFFERINGS



### STENA RECYCLINGS JOURNEY | Circular initiatives



#### STENA NORDIC RECYCLING CENTER

- · Largest recycling center in Northern Europe.
- Continuous technology development for new processes to strengthen material recycling ability.
- Financed by dark green bond.



### PLASTICS RECYCLING

- New process for LDPE plastics started in 2018.
- Lanna several resource-efficient and circular solutions which mean that we collect and process used plastic and then create new recycled plastic raw material.



### STENA RECYCLINGS JOURNEY | Circular initiatives



### **ELECRONICS**

- Recycling of plastics from electronics.
- Re-use of electronics.
- Re-appli: Sales of home appliances for re-use.
- Moreco: Re-use of it-equipment and servers.



### **BATTERYLOOP**

- Re-use of batteries from ELV (end-of-life vehicles) for energy storage pourposes.
- When a battery is considered end-of-life in a vehicle, it usually has about 70 % capacity to store energy left.
- These batteries are suitable for energy solutions in buildings and other facilities.



### STENA RECYCLINGS JOURNEY | Circular initiatives



### **BATTERY CENTERS**

- Locally present in seven markets in Europe
- Extensive collection network
- · Diagnostics and preparation for re-use
- · Safe discharging and dismantling

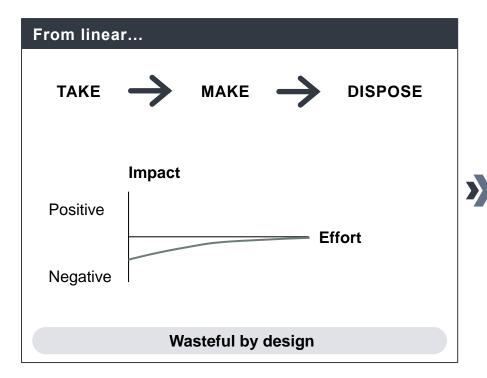


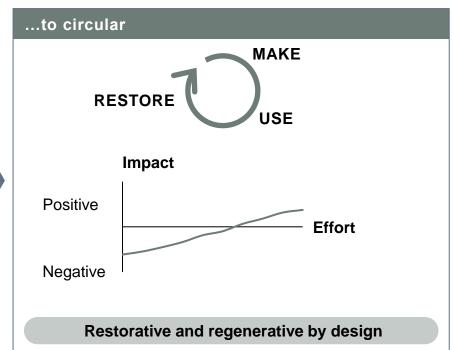
### BATTERY RECYCLING CENTER, HALMSTAD

- Scalable and module-based mechanical recycling and sorting capacity
- 10 000 ton/year capacity

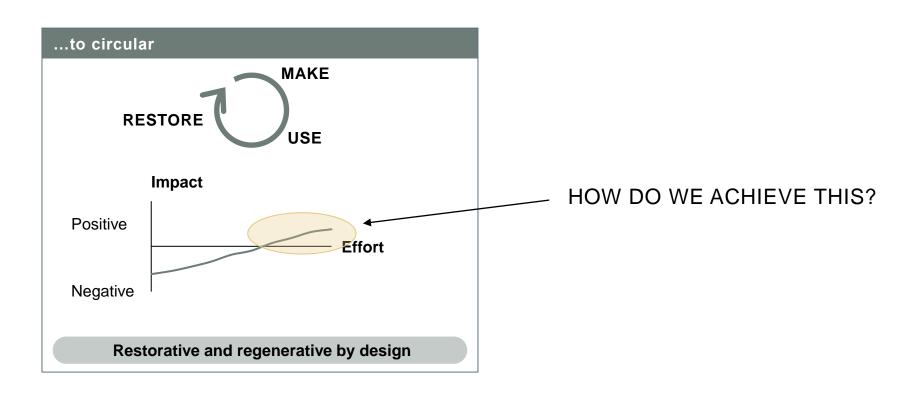


**CIRCULAR ECONOMY** | By transitioning to the circular economy framework, we enable business to do 'more good' and not just 'less bad'





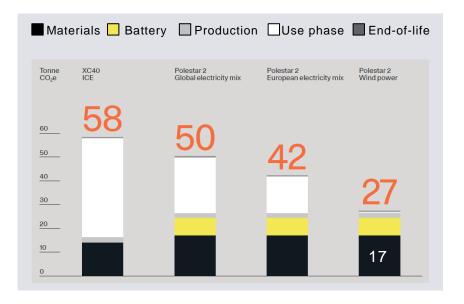




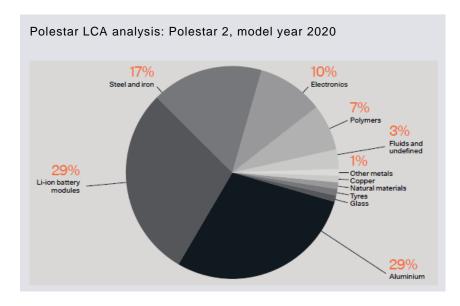


CO2 FOCUS IN AUTOMOTIVE | For electrical vehicles, the next step in CO2-reduction will be materials - with aluminum and batteries as high priority

### Materials growing impact on CO2 (Polestar example)



### Aluminum & "batteries" largest "CO2 impact materials"

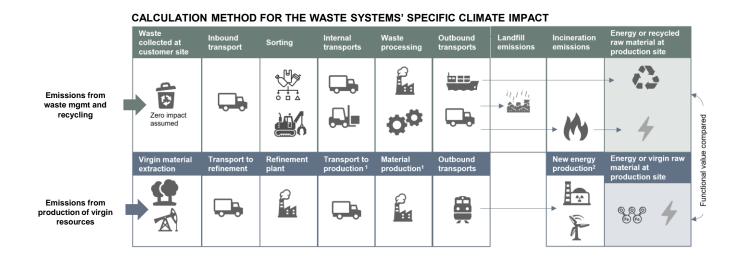






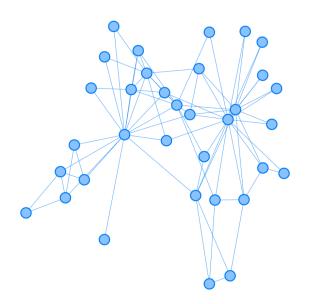


# **WASTE MANAGEMENT FOOTPRINT** | Stena Recycling works toward helping customers understand the climate footprint from the management of their waste





# **VALUE NETWORKING** | Could closer relationships be the next transitional key performance index to a more circular economy?

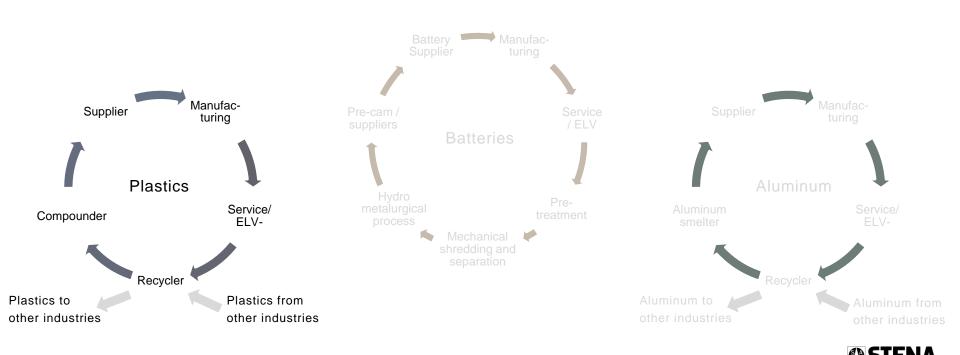


To understand the opportunities of a transition to a more circular economy, we need to shift our focus from value chains to value networks.

By crossing multiple value chains, we create value networks and in the value network we create value together.

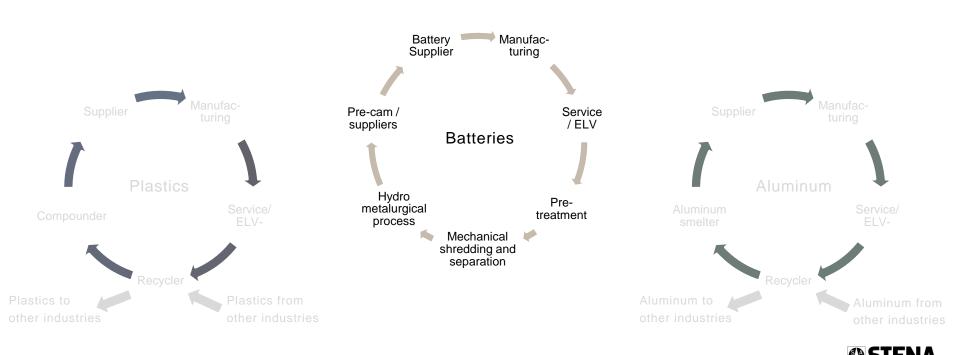


# VALUE NETWORKING | By working together we can achieve more and find optimal solutions within and beyond the automotive industry



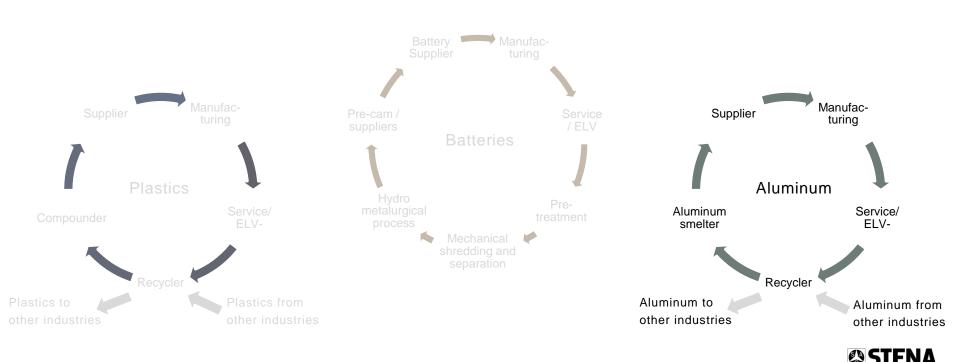
RECYCLING

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RECYCLING



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