

CIRC-UITS

Karin Sämann (Engineering) Achim Maat (Aftermarket) CIRC-UITS *

*Circular Integration of independent Reverse supply Chains for the smart reUse of IndusTrially relevant Semiconductors



Pilot 1 - ESP[®] Module (electronic stability program)

High impact on the market ECUs are important in every car independent of its propulsion 70% of cars contain an ESP Since 25 years almost 300 Million ESP-Systems produced Relevant for electric an non electric car's Prevents 80% of accidents

Actual ESP-generation have already a reduced CO2 footprint on the first level by reducing the weight optimize power and effectivity reduce voice and vibration optimize the energy management in the production process

Benchmarking of Bosch- ESP Exploded view



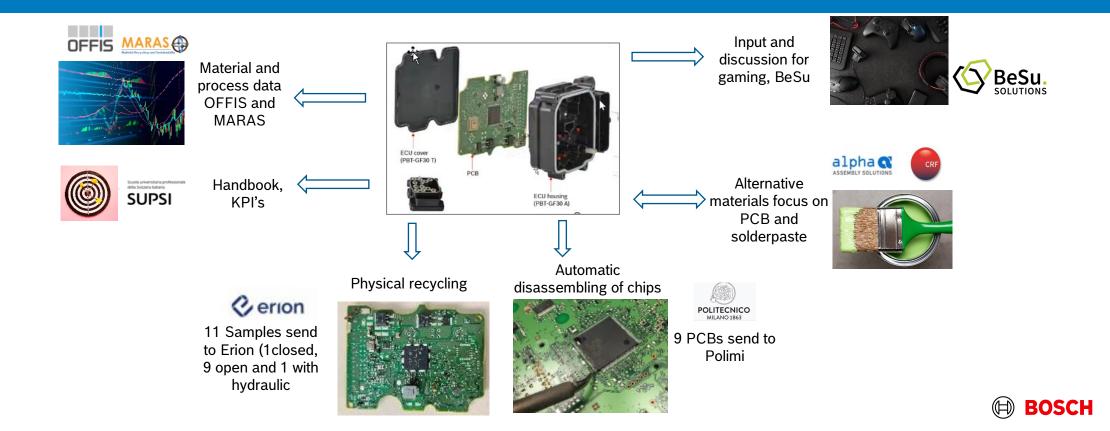
(PPA+PTFE-GF31)

(DC04 + Zinc coating)

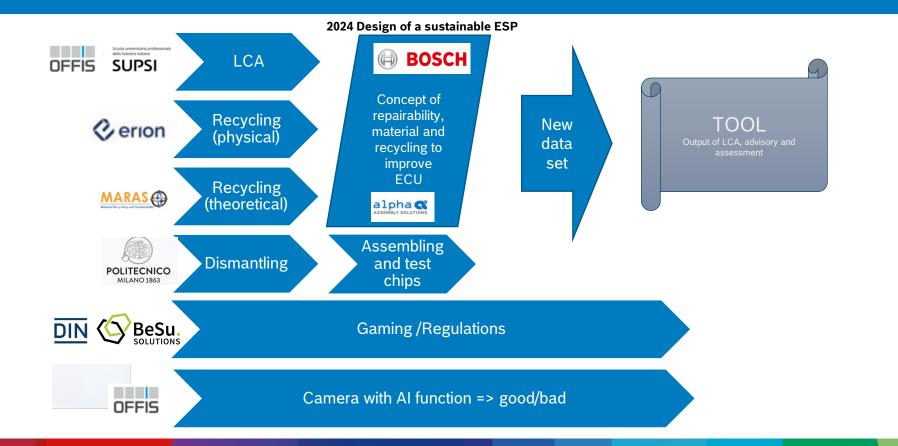
(DO04 + Zinc coating)

BOSCH

Bosch Pilot Aktivitas 2023



Activities 2024/2025



 (\mathbb{H})

BOSCH