



This project is co-financed by the European Union
and the Republic of Türkiye



ICTürkiye2025
10 April, İstanbul

PRESENTER FULL NAME: E. ERKİN BİLALOĞLU

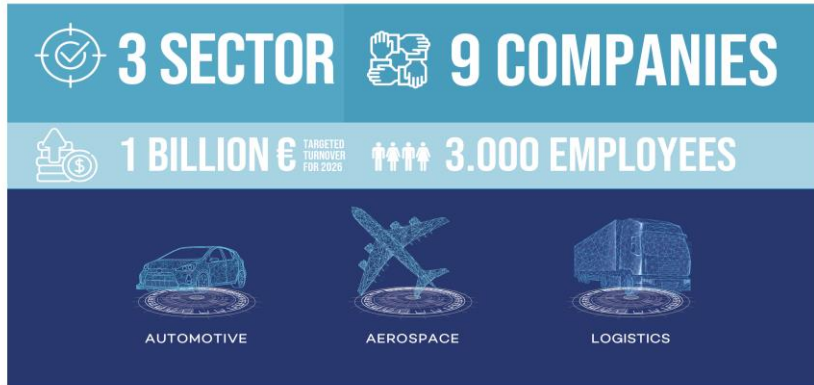
ORGANIZATION: COŞKUNÖZ KALIP MAKİNA

WORKSHOP NAME: Workshop 2: Twin Green and
Digital Transition of Industry

E-MAIL: ebilaloglu@coskunoz.com.tr



Description of the Organisation



AUTOMOTIVE

- *BIW*
- *Closures*
- *Chassis*
- *Modules*

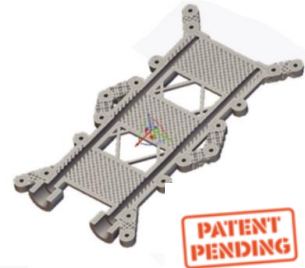


ADVANCED MANUFACTURING

- *Joining Technologies*
- *Additive Manufacturing*
- *Metal Forming*



SPIN-OUTS



Your Teams'
Expertise



Products

*Cooling Plates
Battery Housing
PFEM Plates
Metal AM Products*



Manufacturing Tech.

*Friction Stir Welding
Laser Welding
PBF
DED LMD
DED WAAM
Conventional Welding*

Your On-going Projects



**METAL MATRIX NANO-COMPOSITE COATINGS UTILIZATION AS ALTERNATIVE TO
HARD CHROMIUM**

CL4



**FRUGAL ZERO-EMISSION VEHICLES FOR THE URBAN PASSENGER
CHALLENGE**

CL5



**DEMONSTRATION OF A SUSTAINABLE CIRCULAR-BY-DESIGN
MANUFACTURING SYSTEM BASED ON ADDITIVE MANUFACTURING**

CL4

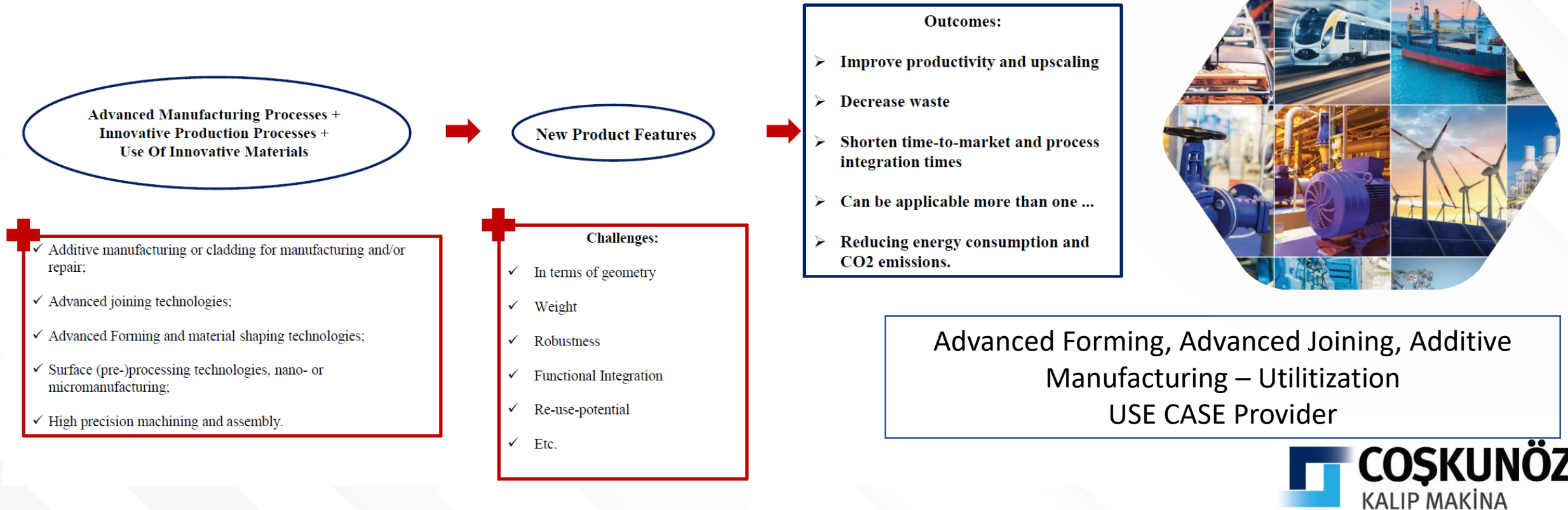


**VOCATIONAL TRAINING FOR OPTIMAL LEARNING AND GROWTH IN THE
EUROPEAN BATTERY INDUSTRY**

**ERASMUS+
Centralized
Project**

Project Idea

Advanced manufacturing technologies for leadership of EU manufacturers in products for the net-zero industry (Made in Europe Partnership) (IA)



Project Idea

HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-43

Innovative Advanced Materials (IAMs) for robust, fast curing sealants and coatings for manufacturing and final assembly (IAM-I) (IA)

- ✓ Coatings
- ✓ Functionalised surfaces
- ✓ Sealings



- ☐ Prolong lifespan and performance
- ☐ Challenging requirements (*fast curing and drying, mechanical robustness, protection*)
- ☐ Harsh environments (*sun, rain, snow, humidity, corrosion, erosion, temperature*)
- ☐ Increased recyclability
- ☐ Reduced cost of ownership
- ☐ Lower enviromental impact





Emrah Erkin BİLALOĞLU

Coşkunöz Kalıp Makina

Türkiye

ebilaloglu@coskunuz.com.tr

