

Project idea/ Field of expertise:

Aluminium Extrusion – Aluminium High Pressure Die Casting – R&D Activities

Organisation Name:

Yeşilova Holding

Adressed challenge(s)/ PPP(s):

Productivity & Low emission vehicles / production lines

Adressed topic(s) in Work Programme:

DT-FOF-09-2020: Energy-efficient manufacturing system management
DT-FOF-10-2020: Pilot lines for large-part high-precision manufacturing
DT-FOF-11-2020: Quality control in smart manufacturing

Cansan Alüminyum

Extrusion Presses:

- 920 Tons Extrusion Press
- 1100 Tons Extrusion Press
- 2000 Tons Extrusion Press
- 3500 Tons Extrusion Press

Can Metal

High Pressure Die Casting Machines:

- 200 Ton High Pressure Casting Machine
- 400 Ton High Pressure Casting Machine
- 550 Ton High Pressure Casting Machine
- 700 Ton High Pressure Casting Machine
- 750 Ton High Pressure Casting Machine

R&D



Past Experience in EU-Funded Projects:



- Project Coordinator - Development of Lightweight Battery Carriers for EV Energy Units

EU-Applied Projects:



- 2 Horizon 2020 Projects

Expectations:

- Demonstration of Fatigue Performance for Aluminum Weldings
- Fatigue Modelling of Welding Zones
- Low Porosity Pressure Die Casting
- Aluminum Additive Manufacturing
- Smart Manufacturing, Machine Learning and Data Acquisition (Extrusion & Casting & Welding)
- EV Battery Packs, Aluminum Crash boxes and cross car beams, subframes
Structural Analysis, Product Design

Interested Calls:

- DT-FOF-09-2020: Energy-efficient manufacturing system management (IA)
- DT-FOF-10-2020: Pilot lines for large-part high-precision manufacturing (IA 50%)
- DT-FOF-11-2020: Quality control in smart manufacturing (IA)

Consortium

Known partners / Competence offer

Name	Type	Country	Role in the project
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Partner search

Profile	Type	Country	Role in the project
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Lightweight Component Manufacturers	ALL	ALL	to be defined
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Material Development, Engineering Companies	ALL	ALL	to be defined
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Test Beds	ALL	ALL	to be defined
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Software& AI Development	ALL	ALL	to be defined
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Contact details

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