



# ELA

a **EUROPEAN**  
**NETWORK**

of **LIGHTWEIGHT**  
**NETWORKS**

## **CALL 4 Projects**

European Green Deal and Lightweight

ELA goes Live 25th of February 2021 9:00-11:30 am

# INSTRUCTIONS

ELA goes Live 25th of February 2021 9:00-11:30 am

- ❖ Fill in this template to prepare your presentation for the event.
- ❖ You will have 3-4 minutes to present (in english) your company, best practices, new projects or ideas...
- ❖ Each presentation must follow this structure:
  1. Brief presentation of the company
  2. Good practice, idea or description of the project you want to share
  3. Your company' know-how
  4. What are you looking for
- ❖ Then please send the completed PowerPoint template with your project idea to [info@metaindustry4.com](mailto:info@metaindustry4.com) by February 15, 2021. We will collect your ideas and suggestions and get back to you!



# Call 4 Projects

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Would you like to present an exciting project, best practice or some lesson learnt that you would like to share for one of the following topics in a short pitch

- [Industry for a clean and circular economy](#)
- [Energy and resource-efficient buildings](#)
- [Sustainable and smart mobility](#)
- [Strengthening our knowledge in support of the European Green Deal](#)



# Project idea: Lightweight solutions with Magnesium Alloys

## Call area: Sustainable and smart mobility

### Contact

**Company/Institution**

**Liteauto**

**Contact person (Name & Position):**

Christopher McGinty, CEO

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### Project Description

Magnesium usage in automobiles is set to increase 10X , up to 30 k g per vehicle by 2028. The benefits of using Magnesium components in today's automobiles are compelling. At density of 1.8 g/cm<sup>3</sup>, it is the lightest alternative to currently available materials and offers enhanced component integration, provides high dimensional stability, delivers superior product fit, quality and finish and is 100% recyclable.

### Project Objectives

- **DRIVETRAIN:** Front Cover, Battery Housing, Transmission, Housing Turbocharger, Housing Steering, Knuckle
- **INTERIOR:** Steering Wheel Steering, Column Parts, Seat Frame, Instrument Panels, Brake and Clutch Pedal Components, Air Intake Systems

# Project idea: Lightweight solutions with Magnesium Alloys

## Call area: Sustainable and smart mobility

### Our know-how...

- The core team has been actively involved in developing Magnesium based components for leading global players in Aerospace and Defence. This experience has been integral in building capability to deliver high precision, complex components that require very strict tolerance levels. The founder of Lite Auto is part of leading Magnesium related councils and consortiums. Lite Auto has access to leading research test beds to help with its material design. Further, the company holds the capability to design components with 300+ proprietary alloys of highly differentiated properties that cater to specific automotive requirements.

### We are looking for...

- Partners from the automotive industry
- Potential applications
- Production



ELA European  
Lightweight  
Association

**Thanks for your project idea!**

**Mi4**