



The EGA Aluminium Design & Innovation Challenge

The EGA Aluminium Design & Innovation Challenge engages students in grades 9 to 12, to apply design-thinking processes to produce creative solutions to global challenges using the metal of the future – aluminium. Students, working in teams and led by a mentor can choose from four exciting themes.

The EGA Aluminium Design & Innovation Challenge is part of EGA's Engineer the Future programme, which aims to encourage secondary school students' interest in science, technology, engineering and mathematics. The objective of the programme is to inspire students to study STEM subjects to a higher level, and ultimately consider careers in these fields.

Encouraging more young people in STEM is key to the achievement of the UAE's Operation 300bn industrial growth strategy, and many of the goals of the UAE Centennial 2071. EGA is the largest industrial company in the UAE outside oil and gas, and a major employer of STEM professionals.

Through the EGA Aluminium Design & Innovation Challenge students will learn to:

- Connect STEM concepts to real world applications of aluminium.
- Brainstorm solutions to problems using design-thinking process.
- Create a prototype out of an initial idea and present solutions.
- Apply essential skills such as team working, communication, creativity.

The challenge themes for this year's Aluminium Design & Innovation Challenge are:

- Architecture
- Green solutions
- Product design

Sustainable mobility
- powered by BMW



To find out more about The EGA Aluminium Design & Innovation Challenge please visit:



**Prizes (per theme):
The winning teams in each theme will receive cash prizes from EGA.**

1st prize
AED 15,000

2nd prize
AED 10,000

Key dates

Registration opens for the EGA Aluminium Design & Innovation Challenge

24 October 2022

Deadline for registrations

13 January 2023

Shortlisted teams announced

23 January 2023

Bootcamp, and students will receive their prototype kit

5 February 2023

Presentation of prototypes and pitch at the finals

5 March 2023