



# Invitation to the 101. AMAP Colloquium

Presentation by

**Christian Harter**

Senior Consultant, strato7 GmbH – the consultants of fka

**and Dr. Dinesh Thirunavukkarasu**

Head of Automotive Program Management, Hydro Aluminium AS

## **Mega Castings - Potential and Challenges for the Aluminium Industry**

on Thursday, **February 26<sup>th</sup>, 2026 at 4.00 pm**  
with subsequent discussion at AMAP

All interested persons are sincerely invited to the AMAP foyer.  
Snacks and refreshments will be available.

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# Mega Castings - Potential and Challenges for the Aluminium Industry

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## Abstract

Based on the widespread use of aluminium die casting (high-pressure die casting; HPDC), a dominant trend has emerged in automotive body construction in recent years. So-called mega castings, large-format aluminium casting structures, are replacing entire component groups, which can consist of 60 to 120 individual parts depending on the field of application, to enable more efficient production.

Mega castings are becoming increasingly important, particularly among emerging vehicle manufacturers and in the construction of new greenfield production facilities. Due to the highly dynamic nature of the market, mega castings offer aluminium manufacturers promising potential in terms of demand for high-performance casting alloys, but they also bring with them challenging changes to value chains.

Hydro Aluminium AS has established itself as a leading European producer of sustainable aluminium. fka GmbH is a recognized partner of the automotive industry and acts as an innovator in all development phases. In a joint project, both companies have holistically assessed the technological potential and developed strategies to address current market developments at an early stage holistically. The colloquium will provide a brief insight into the joint study and highlight which strategic issues will be particularly relevant in the future.