

Impact of fuel cell powertrains on future value creation, investments and labor markets, and implications for the machinery and supplier industry

CLIENT: GERMAN INDUSTRY ASSOCIATION

BACKGROUND: A major German industry association asked FEV to analyze the impact of fuel cell powertrains on future value creation and the European business location and economics

DELIVERABLES

- Powertrain electrification forecast until 2040
 - Europe, US, China, Japan and South Korea as market regions
 - On-road (passenger cars & commercial vehicles)
 - Off-road (agriculture, construction, industrial, marine & railway)
- Detailed analysis of fuel cell powertrains per application
 - Fuel cell powertrain configurations (over 30 powertrains defined)
 - Cost analysis of the entire fuel cell powertrain
 - Analysis of manufacturing value creation per production process
- Analysis of impact of fuel cell powertrains
 - Future value creation scenarios for the fuel cell supply chains
 - Investments into machinery and production equipment
 - Impact on labor markets and jobs generated by fuel cells

