# JEC Innovation Awards Finalists

## Aerospace - Application
- **AeroComposit, JSC** (Russia) - Infusion technology for aircraft wing
- **Fraunhofer ICT** (Germany) - Modular thermoplastic stiffening panels
- **University of Applied Sciences Rapperswil** (Switzerland) - Polyurethane-RTM nose cone for jet engines

## Aerospace - Process
- **Airbus** (Germany) - Complex structural applications of MAI sandwich
- **MTorres Diseños Industriales Sau** (Spain) - Mold-less monocoque manufacturing process
- **Stelia Aerospace** (France) - Full OoA TP welded primary airframe

## Automotive - Application
- **Ford Werke GmbH** (Germany) - Composite Lightweight Automotive Suspension System
- **Hanwha Advanced Materials** (Korea (South)) - Lightweight seat back frame for SUV 2nd-row
- **Kangde Composites Co., Ltd.** (China) - Development & manufacturing of full CFRP car body

## Automotive - Process
- **Action Composites** (China) - Massproduction of CFRP Stabilizers and Drop links
- **Audi AG** (Germany) - High Volume CFRP Production: A8 Carbon Rear Wall
- **Dr. Ing. h.c. F. Porsche AG** (Germany) - Combining CFRP and injection molding for series

## Construction & Infrastructures
- **Grupo Navec** (Spain) - Below the line: concrete pipe repair with carbon
- **KOMATSU SEIREN Co., Ltd.** (Japan) - CFRTP CABKOMA Strand Rod
- **Solutions Composites** (France) - Innovative pultruded deck for station platforms

## Marine
- **Multiplast Groupe Carboman** (France) - New building process for foil
- **Saertex GmbH** (Germany) - Steel to composite in 110m long river cruise ship
- **Uljanik JSC** (Croatia) - Composite cargo decks on a 7000 cars Car Carrier

## Railway
- **ELG Carbon Fibre Ltd** (United Kingdom) - Optimised lightweight carbon fibre bogie frame
- **Penso** (United Kingdom) - Composite Rail Door
- **Saertex GmbH & Co** (Germany) - Breakthrough in railways: the renovation of the ICE

## Sports & Leisure
- **Adherend Innovations, LLC** (USA) - Project Cedrus: Advanced Carbon Hydrofoil for Kite
- **BMW Group** (Germany) - MAI hiras + handle: Motorcycle rear swingarm
- **Schappes Techniques** (France) - First-ever Carbon/PEI hockey stick

## Smart Cities
- **Exel Composites Oyj** (Finland) - 5G Smart LED lighting pole
- **G12 Innovation** (Brazil) - Wet Core POD
- **Sicomin** (France) - InfuGreen 810 bio-resin for SeaBubble water taxi

## Sustainability
- **Arkema Inc** (USA) - Innovative thermoplastic matrix wind turbine blade
- **CETIM-CERMAT** (France) - 3-in-1 line for recycled composites manufacturing
- **GS4C srl** (Italy) - Loop650 sustainable cradle to cradle sailing boat