

Fuel Cells with Low Platinum Content

Research Intent 1: Development and testing of low-platinum MEAs for PEMFCs

WP1: Innovative catalysts and supports

WP2: Characterization of materials

Research Intent 3: Analysis of the catalysts' chemical state in fuel cells under operation – the “operando” analysis

WP1: Operando NAPXPS on PEM fuel cells

WP2: Operando transmission X-ray scattering on PEM fuel cells

Research Intent 2: Development and assembly of PEMFC components with high corrosion resistance, high electrical conductivity and superior heat and water management

WP1: Testing of an optimized MEA in a simple laboratory cell

WP2: Optimization of bipolar and end plates

WP3: Development and implementation of a fuel cell stack

Research intents and work packages within the PaC-NG project.