Components and materials for electrochemical energy conversion (KDFuelCell)

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Two lines of development ran in parallel in KDFuelCell, namely ion conducting membranes and catalysts, both for high-temperature PEM fuel cells. The membrane development targeted more durable and stronger membranes for high-temperature PEM fuel cells. The catalyst work was focused on the somewhat impeded catalytic activity of platinum in contact with phosphoric acid. The cultural aspect of the bilateral collaboration was treated in two bicultural workshops coordinated by Nordic Institute for Asia Studies.

The project was originally funded by the Strategic Research Council in Denmark as an international project for strengthening the scientific collaboration with South Korea. Today it is managed by Innovation Fund Denmark. The project ended ultimo September 2017. Selected results from all the three sub-projects will be presented.