

# HELEVA

Hydrogen production by water vapour electrolysis

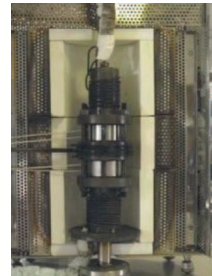
BUDGET	€5,991K
GRANTS OBTAINED	€1,201K
ANR FUNDING	2009 - 2012

## THE PROJECT

The ANR PAN-H CELEVA programme validated the concept of electrolysis using proton-conducting membranes, by producing hydrogen for about a hundred hours at 20 bars under interesting electrochemical conditions.

Spurred on by these encouraging results, the consortium now proposes to optimise the electrolyser and its components in order to design a pilot unit. This will involve

- Improving the electrolyser's performances, the optimisation of mixed ceramic-metal materials and brazing and of the thermo-fluidic conditions in which the cell operates,
- Developing a multi-cell pilot unit.



### PROJECT SPONSOR

AREVA NP TECHNICAL CENTRE

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#### R&D PARTNERS



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#### GROUP PARTNERS

