

IRD commercializing μ CHP

IRD A/S is a high technology company devoted to research, development and production of fuel cell technology – in favor of the environment

Through strong competencies within electrochemistry, chemistry and material science along with electronic and mechanical engineering, IRD has transformed ideas and patents – developed during more than 10 years – to commercial viable fuel cell products.

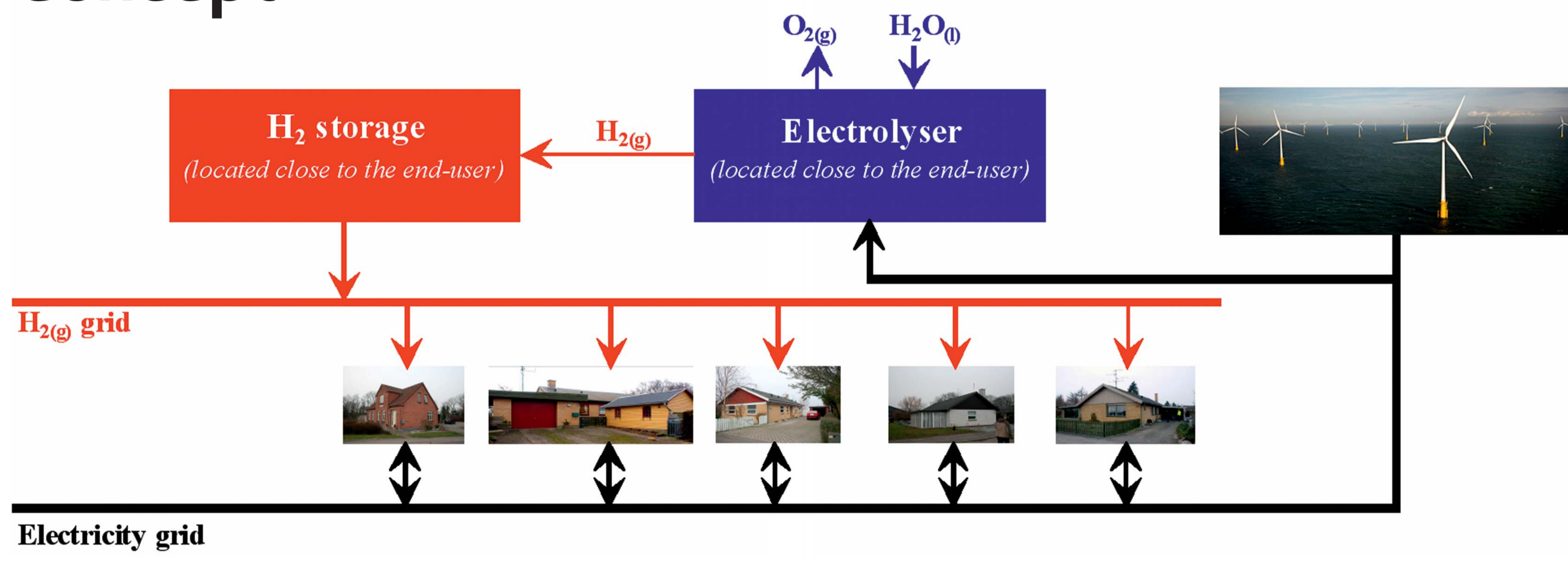
In cooperation with international research groups, strategic partners and customers, efforts made have led to leading technology and products within Polymer Electrolyte Membrane Fuel Cell (PEMFC) Technology and Direct Methanol Fuel Cell (DMFC) Technology.



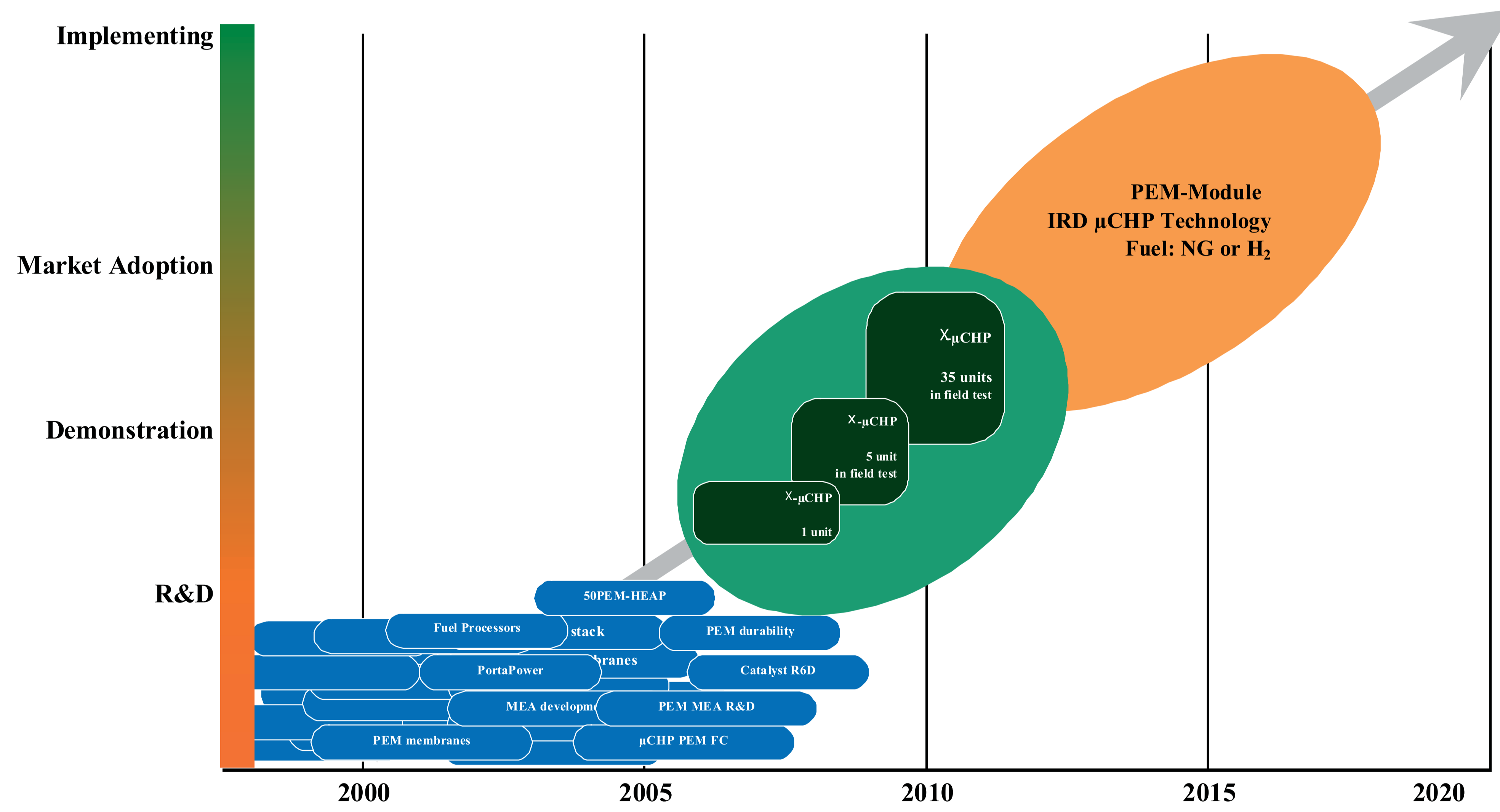
Demonstration

Paving the way to the introduction of μ CHP as a real environmentally friendly alternative to distributed production of heat and electrical power. Complementing IRD business strategy of securing the value chain for transformation into future business while creating awareness for further business partnership.

Concept



Plan

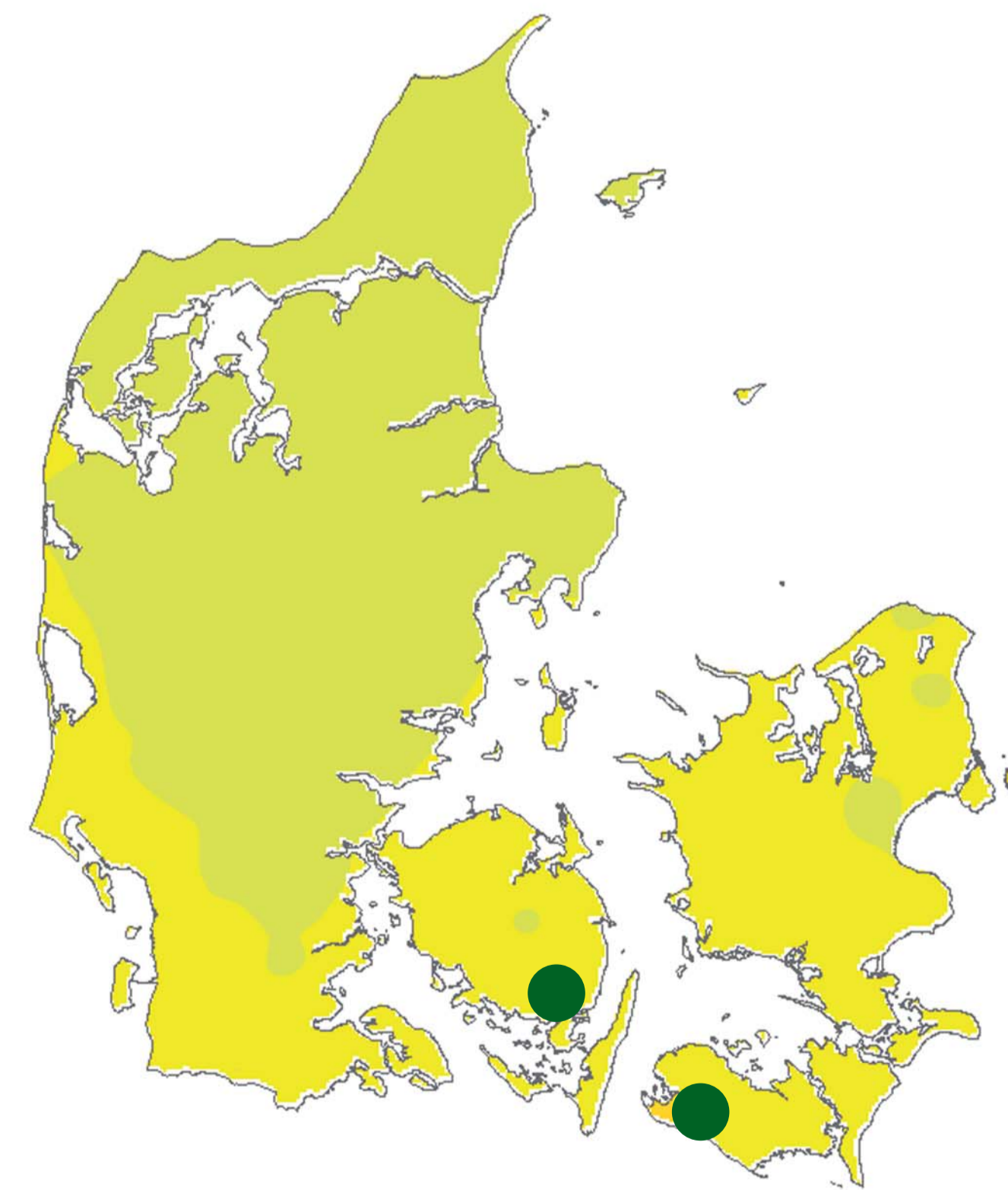


Product



Specification

Year		α -unit 2006-7	β -unit 2008-9	γ -unit 2009-10	Commercial δ -unit 2010
Electrical Power:	Nominal	1.5	1.5	1.5	1.5
	Range	kW_{AC} 0.5-2.0	kW_{AC} 0.5-2.0	kW_{AC} 0.5-2.0	kW_{AC} 0.5-2.0
Heat Power:	Nominal	1.3	0.5-7.0	0.5-7.0	0.5-7.0
	Range	kW_{AC} 0.5-2.0	kW_{AC} 0.5-7.0	kW_{AC} 0.5-7.0	kW_{AC} 0.5-7.0
Efficiency:	Electrical	43	>45	50	>50
	Combined	85	90	95	>95
Quantities		1	5	35	Market Demand
Cost target	€				4,100



Acknowledgement:

The work is partly funded by the Danish Energy Authorities (EFP-Akt.167 J.no. 033001/33033-0151) and The Intelligent Europe Programme through contract EIE-05-214



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