



## FLANDERS CLEANTECH INTERNATIONALISATION AWARDS



### E-RATIONAL

**INTERNATIONAL SUSTAINABLE IMPACT** : E-Rational produce ORC (Organic Rankine Cycle) to capture low temperature heat and convert into clean energy. Heat streams from industrial waste heat, biomass or excess heat of district heating or geothermal heat can power the ORC machines.

Today projects are carried out worldwide in various domains, including geothermal projects (Japan), biomass (Belgium, Germany, UK) and industry (Belgium, Norway). The product range is from 55 kWe till 500 kWe.

**ABILITY TO EXECUTE IN FUTURE – ENABLERS & INHIBITORS** : In some markets (e.g. UK), there are supporting schemes which make the use of ORC as a true CHP solution viable such as the use of biomass boilers connected to ORC and heating applications on low temperature or the use of ORC in (geothermal) district heating to balance the heat production and delivery. Due to this the number of ORC units produced for the UK market has increased dramatically.

E-RATIONAL has extended the product line and invested in additional research to offer an ideal solution to the market. We also see an increase of the number of projects in industrial projects.

#### INTERNATIONAL MARKET TRACTION

##### **Turnover – in EURO**

Total turnover (EURO) in 2013	15.500
Total turnover (EURO) in 2014	283.000
Total turnover (EURO) in 2015	3.750.000

##### **Geographical market(s) – in %**

- Belgium	5%
- Europe EU – neighbouring countries (GE, FR, LU, NL, UK)	65%
- Asia	30%

#### CONTACT

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More information: <http://e-rational.net/>