

# Adenda

INTERNATIONAL INNOVATIONS ORIENTATION

## Introduction sheet: L'orel Consultancy

### L'OREL CONSULTANCY



H2arvester.

Self driving solar panels for agri solar.  
For de-central energy (Hydrogen)  
production at agricultural farms.

L'orel helps set up SMEs in such a way that as little energy as possible will be necessary.

Energy generation and use are coordinated by us in order to use as much of the energy generated as possible by the producer. We ensure an optimal balance and realize by that energy and financial savings! Our specialism is energy transition in rural areas: agricultural businesses, villages and small towns with their industrial estates.

Our advice is based on a unique combination of years of practical measurement, pioneering research, innovative concept development, development of new techniques and years of practical experience.

#### Research:

L'orel performs practical measurements of the total energy management or individual process/devices. With MID-certified equipment, we find out with great accuracy the quality of power networks (Power Quality data). Our 10 years of Smart Farmer Grid research have brought a lot of knowledge about sustainability in relation to limited network capacity.

#### Concept development:

We develop innovative ways to save energy, adjust consumption patterns, generate and validate new techniques.

#### New technologies such as:

For DEI projects validation and further development of a new technique to use the heat from milk for heating the farm and home. With the H2Arvester, aimed at **innovative hydrogen production on agricultural farms**, made us winner of the RVO competition 'solar power in agricultural areas' in 2017. In collaboration with WEN, we are investigating the possibilities for collective green gas production (fermentation). Etc.

[www.lorelnl.nl](http://www.lorelnl.nl)

