

VISIT REPORT 30TH OCT 2013

Visit by 10 members of Euromayenne Technology Group to a Chicken Processing Plant near Charchigne, owned by M. Brestaux Remi who kindly showed us round the facility, the first of its kind in Northern France to be self sufficient in the use of solar energy.

Observations. High initial start up costs included two banks inputs, one for capital equipment the other for the buildings, projected capital recovery 7yrs from start up.

Methodology

Direct Current from solar panels is converted to Alternating Current by four inverters at 21.3kw per hr. After plant consumption the excess generated is sold onto to EDF on a 20yr contract. The price per kilowatt is increased annually to cover panel replacement and depreciation. Panel Manufacturer- German; Number of panels -660; Guarantee- 20 Yrs; Panel Life - 50yrs.

Overheads

All the facility is automated and process controlled therefore there is only the owner and his wife running the facility, which houses 60,000 chickens, at any one time . The only other running costs will be maintenance materials and transportation.

Example of output over 3yr period

Year kw

2010 215345

2011 208712

2012 214375