

# CASE STUDY



## Solar PV

### Key Information:

Existing on site use - 507,000 kWh P/A

Energy Saving - 104,000 kWh P/A

20% reduction in grid supplied electricity

Tonnes of CO2 saved - 56t P/A

### Customer: JR Rix & Sons Ltd

#### Introduction:

JR Rix & Sons are a family owned company that have traded from Hull for more 140 years. The company has a diverse range of operations from cargo shipping, stevedoring and warehousing to fuel distribution & retailing, car retailing and service support to the regions burgeoning offshore wind industry.

#### Challenge:

Driven by the desire to both reduce electricity overheads and introduce an environmentally sustainable energy policy, Boston Renewables were asked to advise as to the most cost effective way of achieving microgeneration of electricity on a number of separate sites. With time fast running out for the registration of new generating units following the Government's review of the FIT system in the latter part of 2015, the pressure was on to deliver fully commissioned installations prior to the end of December.

#### Solution:

A combination of wind and solar generation is the ideal solution for supplementing grid supplied electricity to commercial premises. However, without sufficient time to put in place the necessary consents for any wind developments it fell to solar pv alone as the medium of choice. 50kW arrays were installed at a timber warehousing facility and Jordan Motors, and a single 30kW array now provides valuable green electricity to the Rix Truck Maintenance Depot on Fountain Road, Hull.

#### Clients Comments:

JR Rix and Sons have used Boston Renewables for all our wind and solar projects. Boston produced realistic and achievable pay back analysis on all these projects and have provided proficient staff to install, commission and maintain these electricity generating units.

**Steve Moody - Group Health Safety and Environmental Manager**

