

## REPAIR / REPLACEMENT OF PHOTOVOLTAIC PANELS



Soltech can repair or replace defective or damaged photovoltaic panels.

There are over 1400 manufacturers of solar panels in the world today but many are finding it difficult - or are unable - to meet warranty obligations. The main reason for this is due to the rapidly developing technology of the panels themselves. Each installed solar system is dependent upon the use of absolutely identical panels; compatibility is essential. However, because of the rapid advancement of solar cell technologies, panels made as recently as 2 or 3 years ago are becoming obsolete and the simple replacement of like-for-like panels has become increasingly difficult. Add to this problem the inability of so many manufactures and agents to provide a repair service for these out-dated panels, leaves original guarantees in doubt and upgrading an expensive alternative.



## The Soltech solution

In our Belgian manufacturing facility, we have the diagnostic equipment and technical capability to analyse all defective photovoltaic panels.

Common defects can include:

- Breakages of protective panel glass
- Humidity penetration and moulds
- Deterioration of anti-reflective treatments
- Delamination of protective coatings
- Frame deterioration
- Cell fissuring
- Electric contact corrosion
- Deterioration of electrical contacts
- Hot spots
- Deterioration of by-pass diodes
- Yellowing of encapsulation materials
- Electrochemical corrosion
- Short-circuiting of cells
- Overheating ..... and more.

In most of the above instances, Soltech are capable of repairing such defective situations and replacing repaired panels at minimal costs.

Soltech can also manufacture new system-compatible replacement panels.

