



JANUARY 2013

Third party findings confirm superior REC quality

Global engineering consultancies Black and Veatch and Mott Macdonald have carried out performance and bankability studies on REC's integrated manufacturing plant in Singapore. The audit included (but was not limited to) REC's quality management system, supplier control, warranty conditions and system field performance. These extensive audit reports have been successfully utilized to secure debt financing and REC bankability status with megasolar project lenders throughout the world including the North America and Asia Pacific.

Please visit our dropbox link for a summary of the findings. For complete versions of the reports please contact [our](#) sales representative.

http://dl.dropbox.com/u/88455688/TechNews%20January%202013/3rd%20Party%20Audits_Summary%20Findings.pdf

Leading Norwegian Institute Reports Low Leaching Of Toxicants From REC Panels

The Norwegian Geotechnical Institute (NGI) has conducted laboratory studies on a REC panel to determine the leaching values lie within the limits for disposal at a landfill for ordinary waste. In accordance with Norwegian waste regulations standard characterization tests were conducted to determine the appropriate waste stream for the panels. REC's preferred method of disposal is always to recycle, but if this is not available the NGI report concludes that due to the low toxicity of REC panels they can be safely disposed of in landfill. The report's findings are based on industry accepted tests for most of Europe so this report can be used as a useful reference to determine the best disposal method under your local regulations.



Please visit our dropbox link for a copy of this short report:

<http://dl.dropbox.com/u/88455688/TechNews%20January%202013/NGI%20Module%20Leaching%20Short%20Report.pdf>

Peak Energy Panels Put To The Test In Australia's Desert Conditions

REC have energised a 5.5kW array at the Desert Knowledge Australia Solar Centre (DKASC). This test site enables performance of the array to be continually monitored in a hot, dry environment against many of the leading industry brands. REC has installed the award-winning Peak Energy 250W panels and plan to use the data to demonstrate strong performance in such conditions.



REC's public release of performance data is expected in early 2013 so please keep an eye out on the website:

<http://www.dkasolarcentre.com.au/flash/processmap.html>

REC Demonstrates Strong Performance In Hot Indian Conditions

As part of an initiative to continuously monitor field data and study the performance ratios of plants throughout the world, REC has analysed recorded data from a well-maintained site at Pandit Deen Dayal University (PDDU), located in the sun-drenched north west corner of India. The study showed the REC panels have outperformed the predicted yield by 2% with a high performance ratio for Indian conditions. This is a good result in testing conditions, where module temperatures regularly exceed 70°C.

For a short report on the performance of the system please refer to the Whitepaper available on the REC website:

<http://www.recgroup.com/PageFiles/2422/Performance%20India%20PDDU.pdf>

REC To Release A New Junction Box And Connectors In 2013

REC is introducing a new junction box to the REC Peak Energy panel range to be produced in parallel with the current junction box. Both junction box variants are UL and TÜV certified and IP67 rated. In response to customer feedback both variants will merge to MC4 original connectors so as to be mutually compatible with each other. The new junction box will enter production in Jan 2013 and is expected to be available to customer by February 2013.

For a more technical description of the junction box please visit our dropbox link:

[http://dl.dropbox.com/u/88455688/TechNews%20January%202013/Technical%20Product%20Update%20-%20New%20JB%20Introduction%20\(T\).pdf](http://dl.dropbox.com/u/88455688/TechNews%20January%202013/Technical%20Product%20Update%20-%20New%20JB%20Introduction%20(T).pdf)



REC releases the new cyclone loading test results from James Cook University

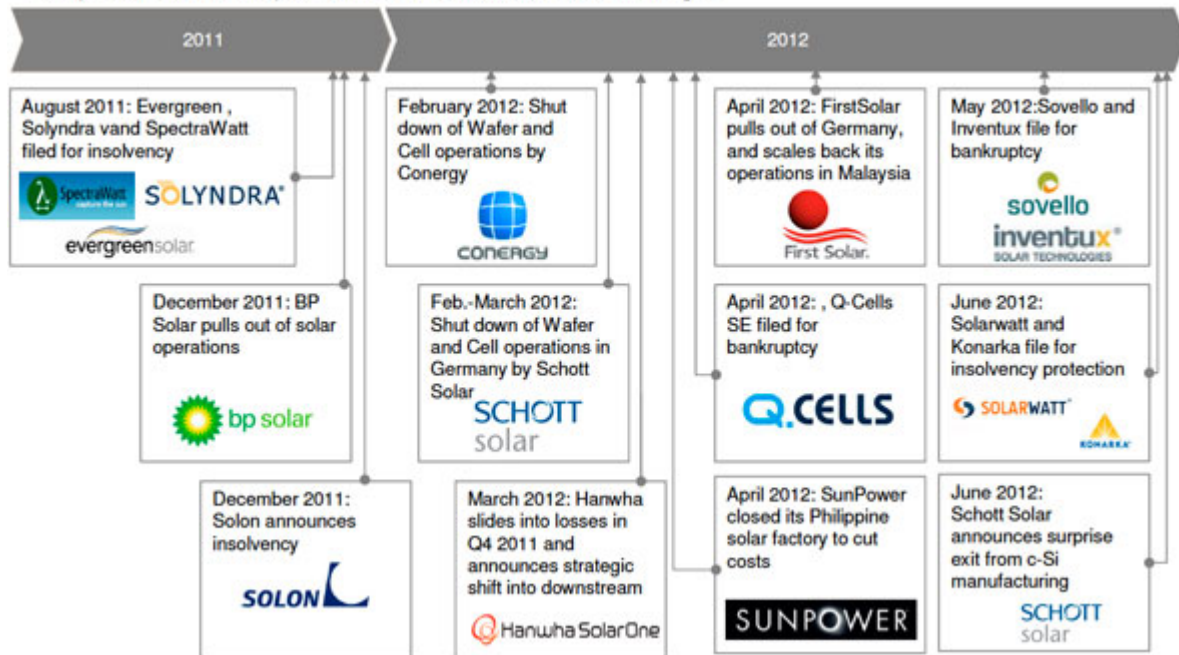
- Peak Energy Modules Pass Cyclone Load Tests
- REC Moves Up The PTC Ranking With New Rating Of 91%
- REC Updates Module Files In PVsyst To Reflect Higher Performance
- REC Hosts Global Webinar

For more on all of these stories, please download the [APAC REC Tech News: November 2012 PDF](#)



Industry restructuring is currently in progress

Examples for recent bankruptcies, market exits and business model changes





REC provides award winning solar solutions

- Solar Innovation Award for Module Manufacturing Innovation
- Solar Innovation Award for Silicon Innovation
- Photon Module Field Test Winner
- Frost and Sullivan Customer Value Enhancement Award for Solar Industry
- Top Brand PV Seal from EUPD Research

