

Welcome to Solar Weekly Insight, presenting the most important developments in the global solar and energy storage industry, ranging from significant industry trends, policies, research, and new technologies to markets and pricing.

Against the background of COP21, also known as the 2015 Paris Climate Conference, this week's newsletter focuses on game-changing solar initiatives and flagship projects in new and emerging markets.

Above all, Solar Weekly Insight includes a new category depicting outstanding advancements in energy storage technology and markets.



The United Nations Framework Convention on Climate Change provides livestreams of plenary sessions and from press room as well as on-demand videos at <http://unfccc6.metafusion.com/cop21/events>

## Kick-off for International Solar Alliance spearheaded by India's PM Modi, French President François Hollande at COP21



On Monday, November 30<sup>th</sup>, 2015 India's Prime Minister Narendra Modi and French President François Hollande launched the International Solar Alliance at the opening of COP21 in Paris.

"We are delighted that the International Solar Alliance is bringing together over 100 countries to accelerate development and deployment of solar around the world," commented Oliver Schafer, President of SolarPower Europe.

[More](#)

## IRENA report: Renewables poised to deliver climate solution

A report released on November 23<sup>rd</sup>, 2015 by the International Renewable Energy Agency (IRENA) finds that achieving a 36 per cent share of renewable energy by 2030 would result in half of all emission reductions needed to maintain a two degree pathway. Energy efficiency measures could supply the rest, according to "REthinking Energy 2015 – Renewable Energy and Climate".



To achieve a 36 per cent share of total energy, the uptake of renewable energy would need to increase six-fold from current levels.

This would require that global annual investment nearly double, to exceed USD 500 billion in the period up to 2020, and more than triple to exceed USD 900 billion from 2021 to 2030. [More](#)

## Dubai unveils massive solar program: 6.5 GW of PV capacity to be installed by 2030

In the forefront of COP12 the government of Dubai has unveiled an ambitious, game-changing program which will see 25% of its power generation come from solar energy by 2030. Currently that figure is 1%.



The wide-ranging Dubai Clean Energy Strategy 2050 program is expected to result in USD 13.6 billion worth of new solar investments.

5 GW of solar PV capacity will be online at the Sheikh Mohammed Bin Rashid Al Maktoum Solar Park by 2030, and another 1.5 MW will result from solar rooftop PV. The total value of these rooftop solar systems is USD 2 billion, according to MESIA calculations. [More](#)

### Promotion

After the success of T-Solar factory liquidation, where lots of international buyers trusted us

## Escrapalia manages the liquidation of the biggest solar panel production factory in Spain

Escrapalia, is managing the liquidation of Isofotón. All equipment is tested and in perfect working order so it is a unique opportunity to acquire the best machinery (Isofoton was world leader) at the best price.



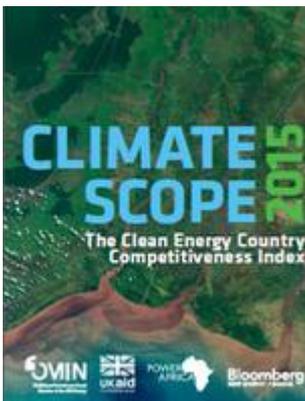
**Auction dates** [www.solarliquidations.escrapalia.com](http://www.solarliquidations.escrapalia.com):

- 100–120 MW Reiss Automatic production line – December 16<sup>th</sup>
- Lab and testing equipment – December 17<sup>th</sup>
- 100 MW Semi-automatic assembly line – December 18<sup>th</sup>

Escrapalia is a Spanish auction website owned by Surus Inversa, where you can find a huge variety of items. It operates through online sales channels, giving purchasers access to a great array of industrial assets in a fast and clear fashion.

## Global assessment: Emerging markets topping wealthier nations in clean energy investment

Last week, “Climatescope,” the clean energy country competitiveness index, interactive report, and online tool supported by the UK government, U.S. government, and the Inter-American Development Bank Group has been published, finding that developing nations eclipsed the world’s wealthiest countries in 2014, attracting more clean energy investment and building more wind, solar, and other renewable power generation than ever before.



For the first time ever, over half of all new annual investment into clean energy power generating projects globally went toward projects in emerging markets, rather than toward wealthier countries.

All of the research is easily accessed at [www.global-climatescope.org](http://www.global-climatescope.org), which includes an interactive tool for users to pinpoint specific information, from the most granular country details to specific sector analysis. [More](#)

## IEA: India will become the world’s second-largest PV market

According to the a new special report, India Energy Outlook 2015, launched on November 27<sup>th</sup>, 2015 by the International Energy Agency (IEA) India’s growth in energy provision is not confined to fossil fuels. India also becomes the world’s second-largest market for solar photovoltaics (PV), as the deployment of renewables gathers pace in the power sector.



*Solar and wind power will be the bulk of new electricity generation capacity in India*

Over half of the new electricity generation capacity to 2040 is projected to come from non-fossil fuels, led by solar and wind power.

The rise in low-carbon energy is spurred by ample domestic resources, falling costs and strong policy support, as expressed in India's historic climate pledge in the run-up to the Paris climate summit and in its efforts to tackle local pollution and improve urban air quality.

[More](#)

## Energy storage news:

### LG Chem batteries to power world's largest energy storage project

In the months to come, LG Chem (Seoul, South Korea), one of the leading manufacturers of energy storage systems, will be integrating six large-scale batteries in STEAG power plants in Germany.



As part of the world's largest ESS (energy storage systems) project, STEAG GBS (Grossbatterie-Systeme) plants belonging to the German power supplier in North-Rhine Westphalia and Rhineland Palatinate will be modernized.

With 140 megawatt hours of power, the storage systems will deliver enough energy to supply 10,000 households per day with electricity. [More](#)

*Picture left: LG Chem Battery rack system for energy storage systems (BESS)*

### Sonnenbatterie's new business model integrates distributed power generation, battery storage and digital networking

Also last week, Energy storage systems producer Sonnenbatterie GmbH (Wildpoldsried, Germany) introduced the "sonnenCommunity," connecting households to make conventional electricity suppliers obsolete through self-generated power, the company announced.



*"sonnenCommunity" households could make conventional electricity suppliers obsolete*

The sonnenCommunity combines three technologies: decentralized renewable power generation, advanced battery storage technology and digital networking.

#### PV plus intelligent storage

sonnenCommunity consists primarily of homeowners with a solar photovoltaic (PV) system and a sonnenBatterie that stores surplus power. Members of the community can purchase the intelligent sonnenBatterie storage system exclusively at a special price. [More](#)

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