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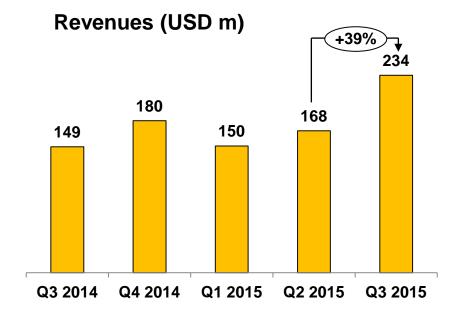
REC'S SOLAR MARKET INSIGHT Q3 2015

NOVEMBER 6, 2015

St. Silvester KINDER&& GARTEN

Major highlights from Q3 2015

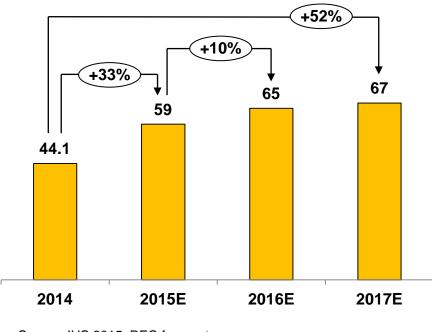
- Record quarterly revenues of USD 234m, up 39% compared to Q2 2015
- All time high quarterly sales of 361 MW demonstrating REC's sustainable growth
- Significant sales volumes of 207 MW to U.S. based on signed major long-term supply agreements, up 59% compared to Q2 2015
- Increased sales volumes in APAC: 45 MW, up 164% compared to Q3 2014
- Strengthened business in Southeast Asia also as a turnkey solutions provider, demonstrated by two ongoing commercial installations in Singapore with new TwinPeak panels
- Increased sales in Europe to 82 MW despite slow markets, up 55% compared to Q2 2015
- REC is increasing its footprint in Middle East and Africa by recently signing a strategic cooperation agreement with Orascom in Egypt







Global module installations (GW)

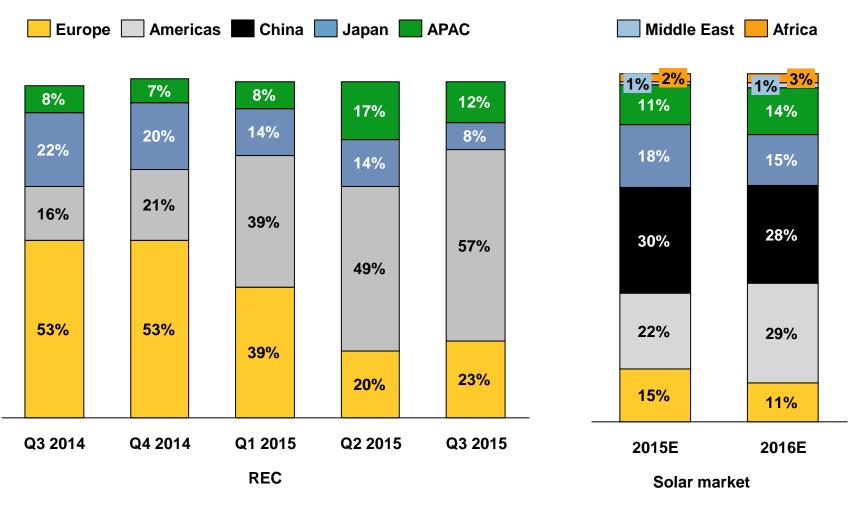


Source: IHS 2015, REC forecast

- Driven mainly by growth in U.S. (~30% from 2014) and China (~40%), global module installations in 2015 are expected to reach 59 GW an increase of 33% compared to 2014
- REC expects annual global module installations to reach around 65 GW in 2016, an increase of 10% from 2015
- By 2017, demand is forecast to increase by 52% compared to 2014
- Asia (in particular China, Japan and India) continues to be global leader with over 60% market share
- U.S. is forecasted to hit second place in 2016 but might decline in 2017 if ITC cuts are confirmed



Geographical sales split



Source: IHS 2015, REC



Annual module installations in Europe (GW) 8.9 8.5 7.5 7.4 7.3 2.1 2.1 1.7 1.7 1.9 3.7 3.2 4.7 4.1 4.7 3.1 2.6 1.6 1.4 1.0 2016E 2018E 2014 2015E 2017E Residential incl. off-grid Commercial Utility

Residential: <10 kW, Commercial: 10 kW–5 MW, Utility: >5 MW Source: IHS 2015

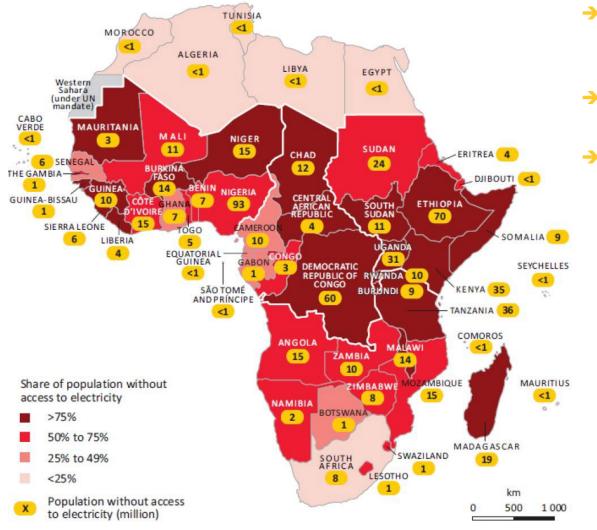
139 112 89 53 Q3 2014 Q4 2014 Q1 2015 Q2 2015 Q3 2015

REC sales development in Europe (MW)

- REC expects more conservative market developments for 2015/2016 at ~7 GW due to slower markets mainly in Germany and UK
- From 2017, REC expects stronger residential and commercial markets due to storage opportunities – 8 GW in 2017, 10 GW in 2018
- Recently announced plans in UK to cut generation tariffs by 87% as of January 1, 2016 are causing uncertainties
 - REC hopes that the government's final conclusion will be more considerate to protect solar as an innovative industry
 - In case of confirmed cuts, REC expects the C&I rooftop segment to be less impacted and EPC business to be able to switch from utility to commercial installations
- REC is increasing its footprint in MEA through signing strong partnerships, e.g.
 O Capital, a fully owned subsidiary of OTMT

Driver for solar in Africa is access to electricity

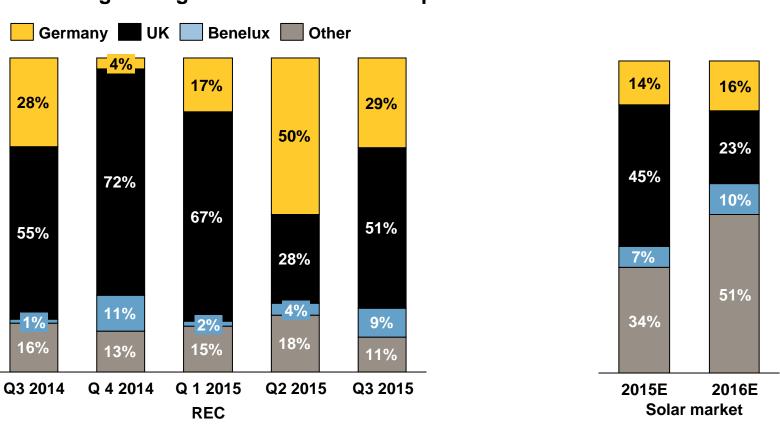




- REC will seek to penetrate new markets in Africa by setting up new regional sales forces
- 620m people do not have access to electricity
- Sub-Sahara, by 2040:
 - Economy: x4
 - Population: x2 (1.75b people)
 - Energy demand: +80% (385 GW). Half of new capacity to be renewable energy
 - Total annual power investments: USD 46b (half electricity generation)
 - 950m people gain access to electricity (70% of those living in rural area by mini-grid or offgrid system)
 - By 2040: 530m people still with NO access to electricity

Source: IEA, Africa Energy Outlook, 2014





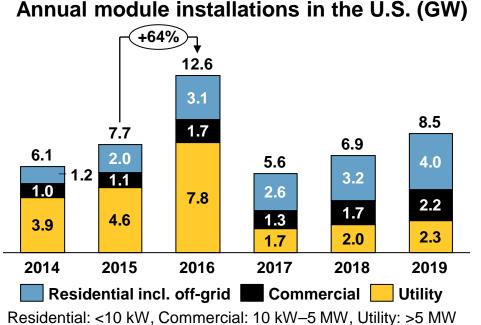
Percentage of regional MW sales in Europe

Source: IHS 2015, REC

> EU Prosun requested on September 4, 2015 an expiry review of the current MIP measures

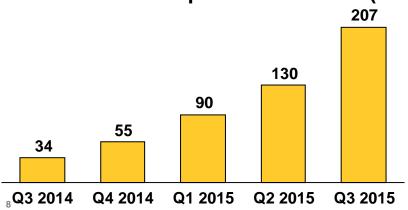
- > Even with no MIP in place after December 7, 2015, REC expects AD tariff to be in place
- → In general, REC appreciates open and fair market conditions





Source: GTM 2015

REC sales development in the U.S. (MW)



- The U.S. market is expected to grow by over 60% from 2015 to year 2016
- In 2017, the market for utility and large commercial segments will slow down if ITC cuts are confirmed
- Stable progress for residential and small/mid-scale commercial expected
- REC has strengthened its position in the U.S. through several long-term supply agreements
- Nearly 60% of REC's total sales in Q3 2015 are to the U.S.

Impact of two potential U.S. ITC scenarios

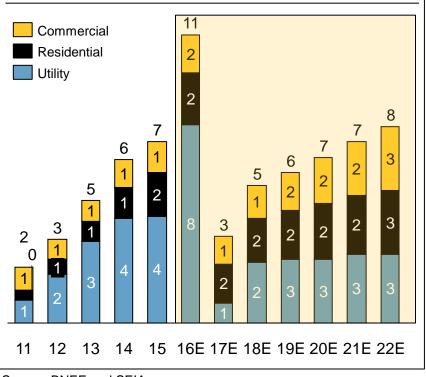


Expiration per current policy

- 30% personal and business tax credits step down to 0% and 10% respectively for projects commissioned in 2017 onwards
- U.S. adds 54 GW between 2015 and 2022

U.S. solar PV build

GW

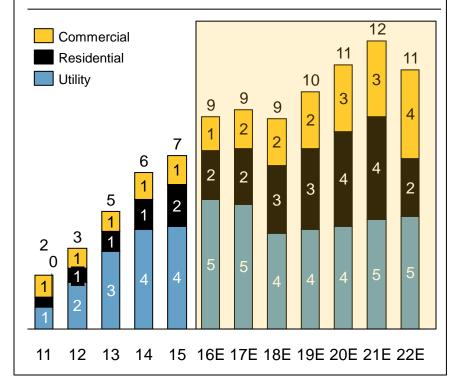


5 year ITC extension

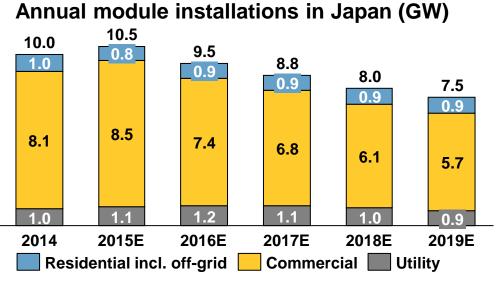
- ITC is extended to year-end of 2021
- Timing of extension is summer 2016
- U.S. adds 76 GW between 2015 and 2022

U.S. solar PV build

GW

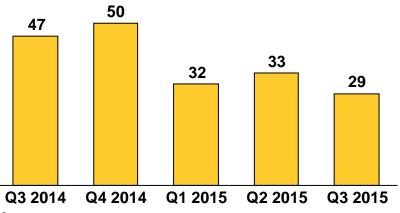




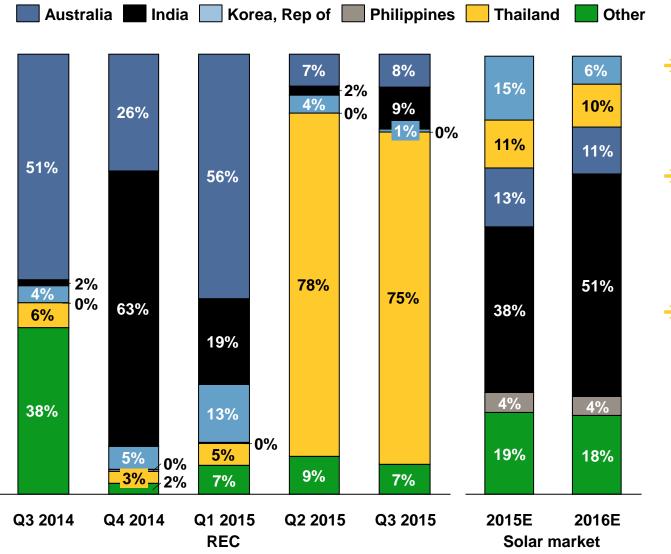


Residential: <10 kW, Commercial: 10 kW–5 MW, Utility: >5 MW Source: IHS 2015

REC sales development in Japan (MW)



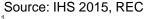
- Japan will be the second largest market in 2015, with forecast to install 10.5 GW
- Mega-solar installations (>1 MW) expected at around 4.6 GW in 2015
- Commercial installations with 10-50
 kW expected at 3.7 GW in 2015
- Although new FiT for residential systems reduced by 5.4%, continually declining system prices can maintain project ROI – residential installations expected relative stable at around 1 GW
- On a long-term perspective, the government intends to develop solar generation as an energy source at a measured speed



 REC increased sales from 17 MW in Q3 2014 to 45 MW in Q3 2015

REC

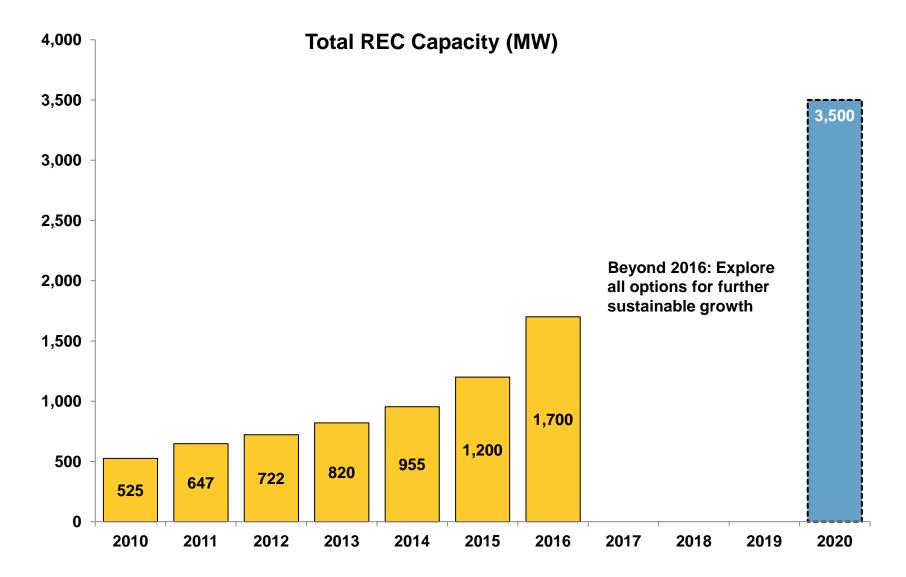
- APAC is a very opportunistic region, driven by political regulations, such as those in Thailand
- REC secured supply agreements in Thailand of 34 MW in Q3 2015 for utility scale projects as part of a new governmental program



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2015: Completed CAPEX expanding capacity by 300 MW 2016: Further increase of total capacity to 1.7 GW





REC Strategy Outlook 2016

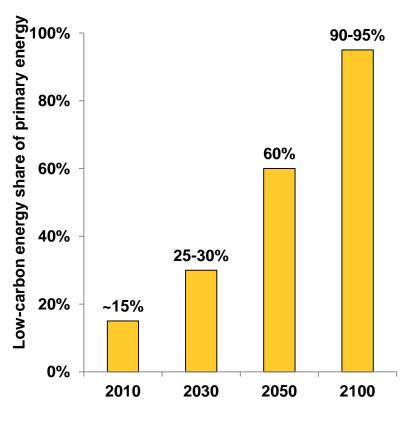




- Continue capacity expansion up to 1.7 GW by end of 2016
- Further expand production capacity for REC's new award-winning product, TwinPeak
- Strengthen REC's global position to further balance market developments
- Increase REC's position in emerging markets by providing high-end turnkey solutions and know-how transfer
- Leverage on solar's momentum resulting from UN Climate Change conference, COP21



Associated required upscaling of low-carbon energy supply



Source: IPCC Synthesis Report 2014

- To limit temperature increase to 2°C compared to pre-industrial levels, a significant upscaling of low-carbon energy supply is required
- REC expects a strong agreement at UN Climate Change conference, COP21, based on submitted ambitious national targets in advance:
 - USA: Generating 20% of its electricity from renewable sources by 2030 (2014: 13%)
 - EU: Share of renewables in the electricity mix at least 45% by 2030 (2014: 21%)
 - Japan: Renewables within electricity mix
 ~22-24% by 2030, solar targeted at ~7.0%
 - India: about 40% cumulative electric power installed capacity from non-fossil fuel based energy resources by 2030
 - A strong agreement will open a bright longterm perspective for solar, likely above actual forecasts