



# Study on the job and wealth creation of solar PV in Europe 2008 - 2020

Overview of results, 11 January 2016



# SolarPower Europe



- *SolarPower Europe* – The new European Photovoltaic Industry Association (EPIA) – has been continuously **promoting solar electricity in the European market** over the past 30 years.
- *SolarPower Europe* represents its Members, who are active along the whole **solar value chain** and in related business sectors.

*SolarPower Europe's* Vision is to ensure that solar power is the leading contributor to the European energy market



# Our Members

Our members include:



# Objective of the Study

The purpose of this study is to capture the socio-economic contribution of the solar power industry to Europe:

- by assessing its direct and indirect impact on job creation; and
- Value Added (VA) - aggregated and per Member State.
- The analysis is split according to the solar power value chain - upstream and downstream.
- This study also assesses the impacts of the Minimum Import Prices (MIP) on employment in a targeted way, through modelling

# Methodology & Scope

- The Input-Output model from E&Y supports an assessment of the socio-economic contribution of Renewable Energy Sources with regards to Jobs and value added creation (direct and indirect) based on input data.
- Data is specifically gathered for the key solar power markets in the EU: Germany, France, Spain, Italy, Belgium, UK, Greece. Results for other EU countries are obtained by extrapolation.

# Upstream and Downstream

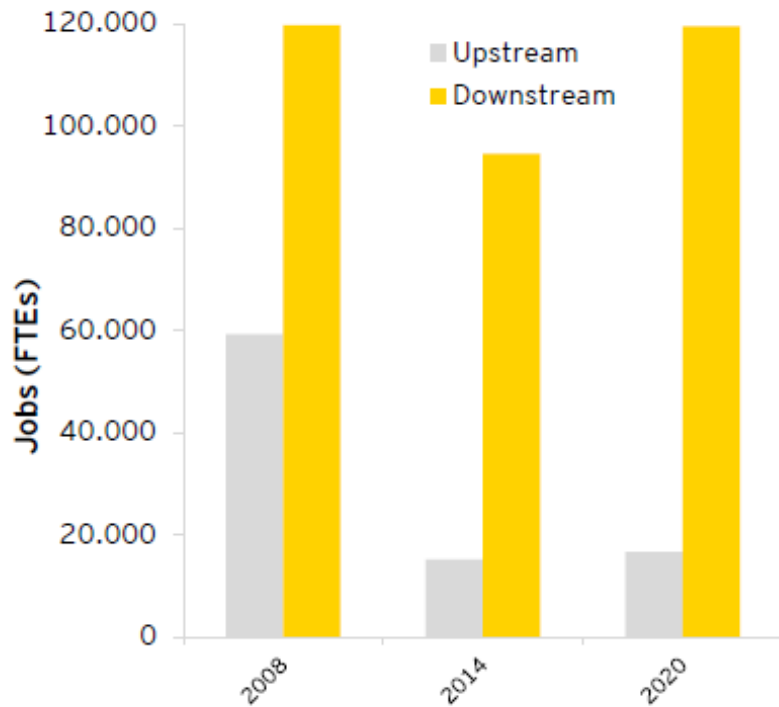


Figure 8: Direct and indirect jobs supported by the PV industry in EU28, by value chain structure (upstream and downstream)

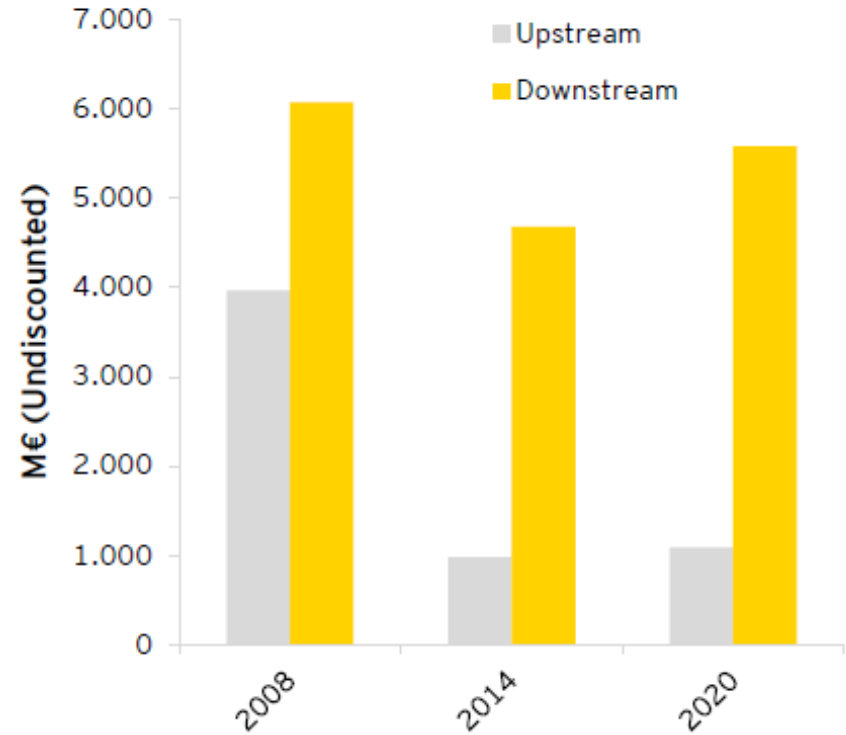


Figure 9: Gross Added Value (GVA) created by the PV industry in EU28, by value chain structure (upstream and downstream)



# Jobs by Activity - 2014

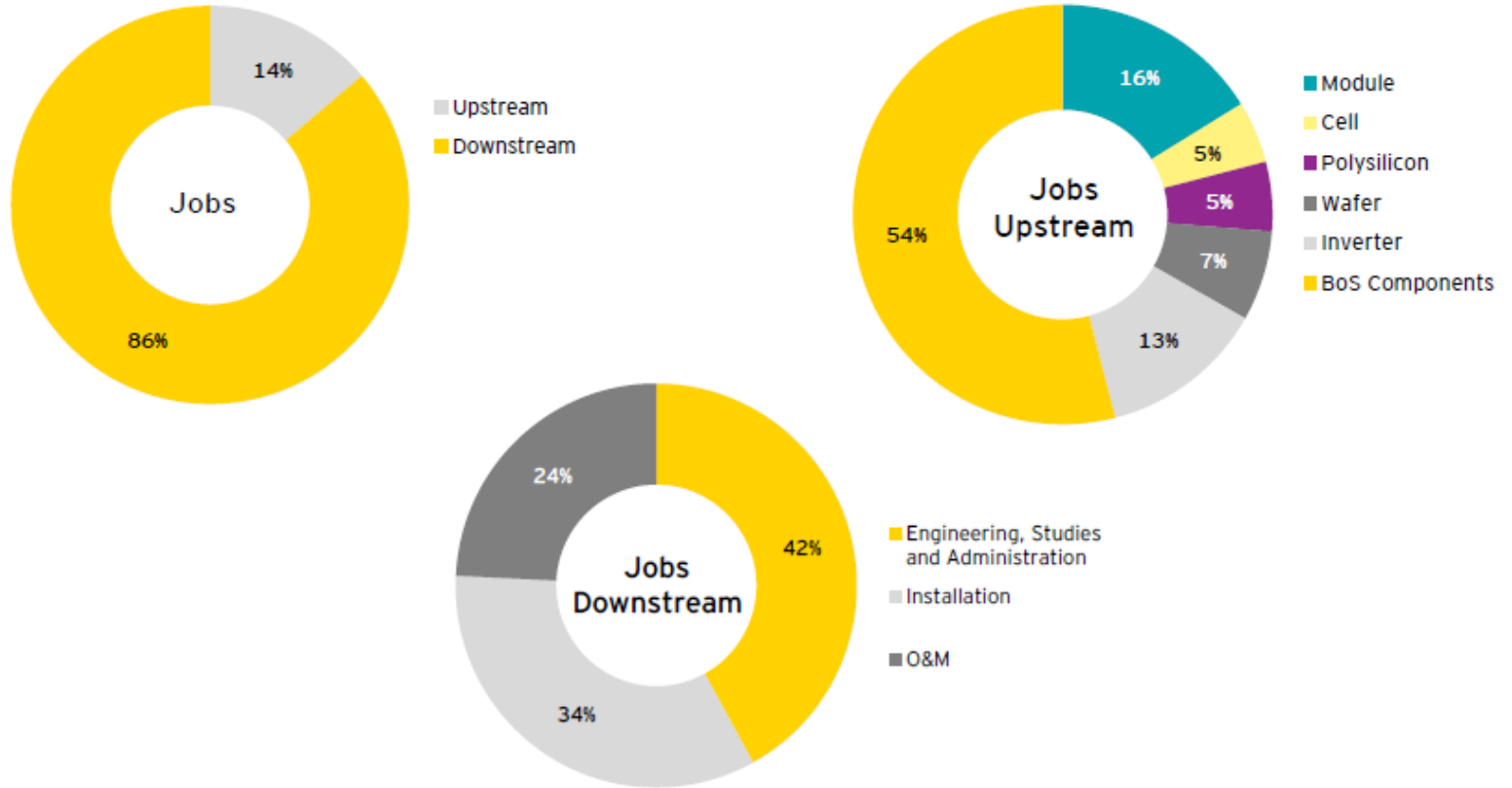


Figure 12: Direct and indirect jobs supported by the PV industry in EU28, by value chain activity in 2014 (incl. equipment)

# GVA by Activity - 2014

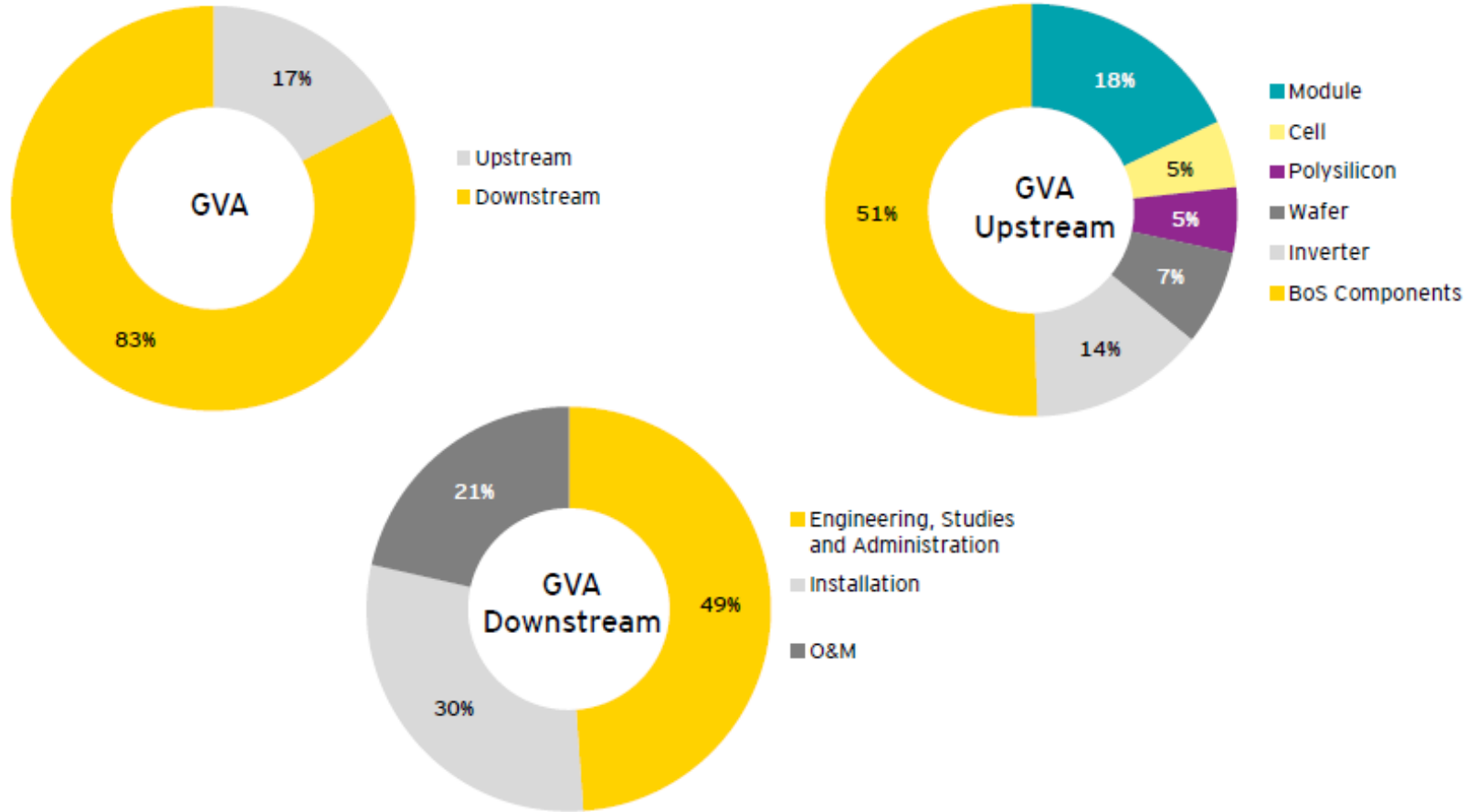
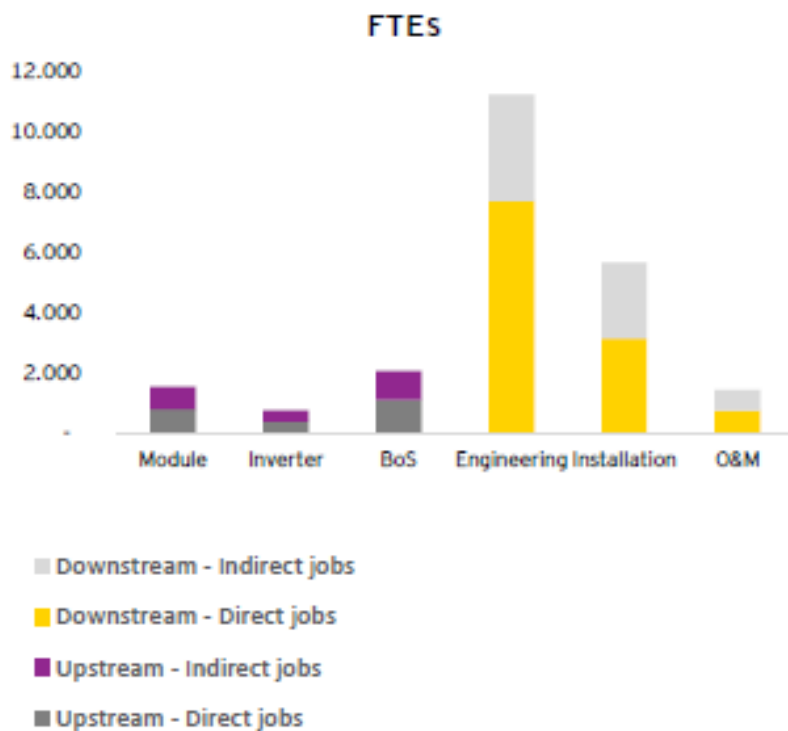


Figure 13: Gross Added Value (GVA) created by the PV industry in EU28, by value chain activity in 2014

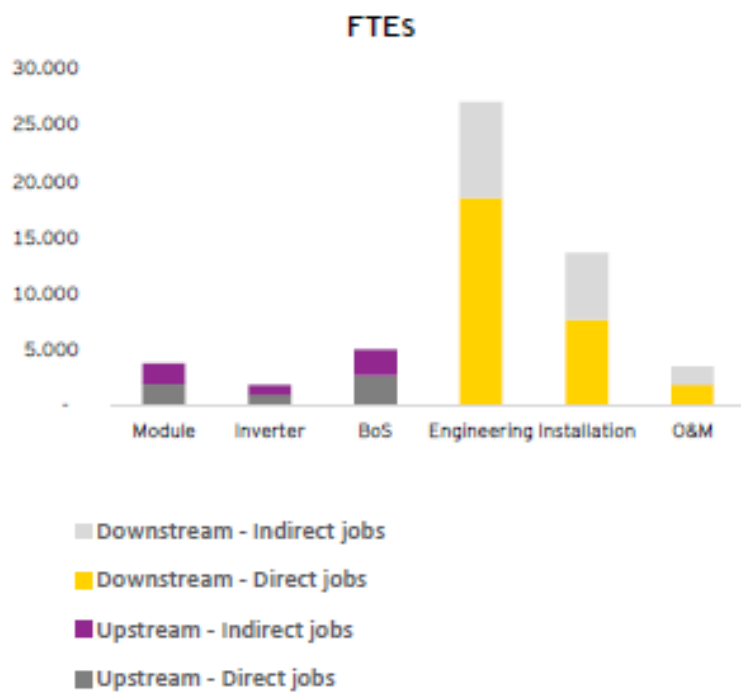


# Trade Defence Measures and Job Creation

Market scenario without MIP - net jobs created compared to the baseline scenario for Germany and Italy in 2020



Market scenario without MIP - net jobs created compared to the baseline scenario for EU 28 in 2020



# Key Findings

The sector continues to prove its socio-economic value in Europe:

- A large share of the jobs and of the value created by the solar PV sector are created in Europe.
- In 2014, the solar PV sector in Europe represented nearly 110.000 FTEs and more than €5.600M GVA created.
- By 2020 it is expected to sustain more than 136.000FTE's and to generate nearly € 6.670M GVA
- Respectively 86% and 83% of the impact on jobs and GVA in 2014 is linked to the downstream activities of the PV value chain.
- The manufacturing of Balance of Systems (BoS) represent half of the upstream impact in jobs and GVA creation.
- An analysis of the impact of the expiry of the Minimum Import Prices (MIP) set by the EU on modules and cells imported into the EU, shows there would be positive employment effects throughout the PV value chain in Europe.

# Delivering solar power for Europe

**For further information, please contact:**

James Watson | [j.watson@solarpowereurope.org](mailto:j.watson@solarpowereurope.org)

Rue d'Arlon 69-71

B-1040 Brussels - Belgium

Tel.: +32-2-709.55.20

Fax: +32-2-725.32.50

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