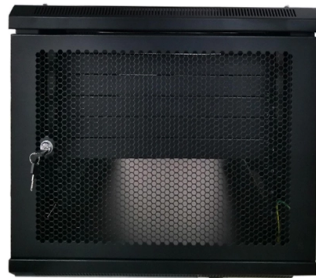


EU Micro-module Manufacturing Plant



Overview

The European Commission has approved under EU state aid rules a €5 billion German measure to support the European Semiconductor Manufacturing Company (“ESMC”) in the construction and operation of a microchip plant in Dresden. In 2025, microelectronics manufacturing in the European Union (EU) is witnessing strong growth due to significant investments and strategic initiatives to strengthen Europe's position in the global semiconductor industry. Discover more about who we are, what we do, and the significant. The European Semiconductor Manufacturing Company (ESMC), a new microchip manufacturing plant to be built in Dresden, Saxony, will be the first to produce so-called high-performance chips in the EU, European Commission president Ursula von der Leyen said during a visit to the nascent plant today (20. Prompted by the encouraging results of the U. 5 billion) plan called Chips Act to develop more fabs and increase semiconductor production in the. Semiconductor fabrication plants are factories where integrated circuits (ICs), also known as microchips, are manufactured. They are either operated by Integrated Device Manufacturers (IDMs) that design and manufacture ICs in-house and may also manufacture designs from design-only (fabless firms). nductor manufacturing in the European Union (EU). To make this investment strategically sound.



Article Content

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Solar Production Equipment

In the solar sector, European companies originally played a key role in developing the production equipment needed for the mass production of solar wafers, cells, and modules. While the

First European high-performance chips to be made in

The European Semiconductor Manufacturing Company (ESMC), a new microchip manufacturing plant to be built in Dresden, Saxony, will be the

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ST to build fully integrated 200mm silicon carbide power

News: Microelectronics 31 May 2024 ST to build fully integrated 200mm silicon carbide power device and module plant in Catania STMicroelectronics of

Leading-Edge Chip Manufacturing in Europe

Intel's EU Investments - Investing in Europe's Digital and Green Future Intel has been a key player in the EU's semiconductor industry for 35 years. Our Ireland

Who We Are | European Semiconductor Manufacturing Company

The European Semiconductor Manufacturing Company (ESMC), a joint venture by TSMC, Bosch, Infineon, and NXP, is building a semiconductor fab in Dresden, Germany, to boost innovation and

Sinovoltaics updates map of European solar module

The latest report on the supply chain for European PV module production provides the status of 121 solar manufacturing sites, including

Driving Semiconductor Manufacturing in Europe

The plan is to boost the supply of semiconductor devices in Europe, and reduce its dependency on Asian suppliers, as well as invest more in semiconductor research in Europe.

PV manufacturing Europe

The PV manufacturing chain in Europe is almost entirely dependent from China. There are first attempts for a renaissance of European PV production.

EU aims for 30 GW of solar module production by 2025

The alliance aims to increase Europe's solar module manufacturing capacity from around 4.5 GW at present to 30 GW by 2025.

75% of European solar manufacturers focus on cells

Europe's solar manufacturing sector heavily favours downstream products such as cells and modules, according to SolarPower Europe.

Overview of microelectronics production in the EU in 2025

Ongoing investments and strategic initiatives are expected to lead to significant growth in microelectronics manufacturing in the EU, strengthening its

Discover our facilities

With 14 main manufacturing sites in Europe and Asia, STMicroelectronics ensures supply security, quality, and innovation by keeping production close to R& D.

ST taps EU Chips Act for SiC wafer plant

ST is investing €730m in its integrated SiC substrate manufacturing facility in Italy with government funding of €292m under the EU Chips Act

Overview of microelectronics production in the EU in 2025

In 2025, microelectronics manufacturing in the European Union (EU) is witnessing strong growth due to significant investments and strategic initiatives

Small modular reactors

Support the improvement of data and standards Contribute to EU efforts to improve existing data, codes and standards for the design, manufacturing and in-service

STMicro to Build €5 Billion Plant in Italy with EU Chips Act Aid

STMicroelectronics NV said it plans to spend €5 billion (\$5.4 billion) on a manufacturing plant for chips and packaging in Catania, Italy in a multi-year project that's being partly funded by ...

List of semiconductor fabrication plants

Semiconductor fabrication plants are factories where integrated circuits (ICs), also known as microchips, are manufactured.

EU approves Italian aid for \$5.4 bln STMicro chip plant,

The European Commission on Friday approved Italian state aid for STMicroelectronics to build a 5 billion euro (\$5.4 billion) microchip plant in the

The lack of semiconductor manufacturing in Europe

dependence on foreign semiconductor manufacturing. Although all over the world the number of companies designing their own chips is increasing, today significantly fewer companies operate

The weekend read: EU solar manufacturing – The time

European solar manufacturing is back on the agenda after over a decade of minimal activity. Ambitious proposals are in place to reactivate a

Are microfactories the future for the manufacturing sector?

The inherent benefits of microfactories could prove to be a game changer for manufacturing, but could AI-powered microfactories really replace

EU solar module manufacturing capacity 2014-2023

The manufacturing capacity of solar modules in the European Union reached eight gigawatts in 2023, doubling the previous year's capacity.

The EU Solar Manufacturing Facility

Europe's solar manufacturers are in crisis. We're proposing a structural financing tool. The EU Solar Manufacturing Facility would act as a dedicated channel for EU (and national) funds to

ESMC Breaks Ground on Dresden Fab

In a demonstration of dedicated support, during the event, President von der Leyen announced that the European Commission has approved, under EU State aid rules, a €5 billion

European Commission: ESMC semiconductor factory

Germany has notified to the Commission for approval a planned support to the ESMC project to build and operate a new semiconductor manufacturing facility in

Overview of the Planned EU Semiconductor Manufacturing Facility in ...

work on European soil – as is the case at the Leixlip campus in Ireland. Here, Intel will begin its first high-volume production of Intel 4 technology, marking Intel's first use of high-volume

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