



GlobalWafers

Global Family, Global Solutions!



GlobalWafers Co., Ltd.
環球晶圓股份有限公司

www.sas-globalwafers.com



Our Vision

Be the preferred partner in our customers' technology journey.



Our Mission

We are one global family committed to providing sustainable solutions for the semiconductor industry.

Business Summary

- Establishment: A spin-off from SAS in 2011
- Headquarter: Hsinchu Science Park, Taiwan
- Products: Markets full-scale product offering
- Employees: # 7,000
- Operating Sites: Established global manufacturing footprint from Asia to Europe to the US

Strengths

- The 3rd largest silicon wafer supplier in the world and the largest non-Japanese player.
- Our global presence, with fabs in Asia, Europe and the US, provides us with unmatched production flexibility and product development capabilities.
- Our unparalleled operating model and market strengths uniquely differentiate GlobalWafers within the semiconductor supply chain.

01 Global Presence & Security of Supply

- 17 production and operational sites in 9 countries.
- Agility to allocate worldwide capacity for shipping flexibility.

02 Complete Product Offering

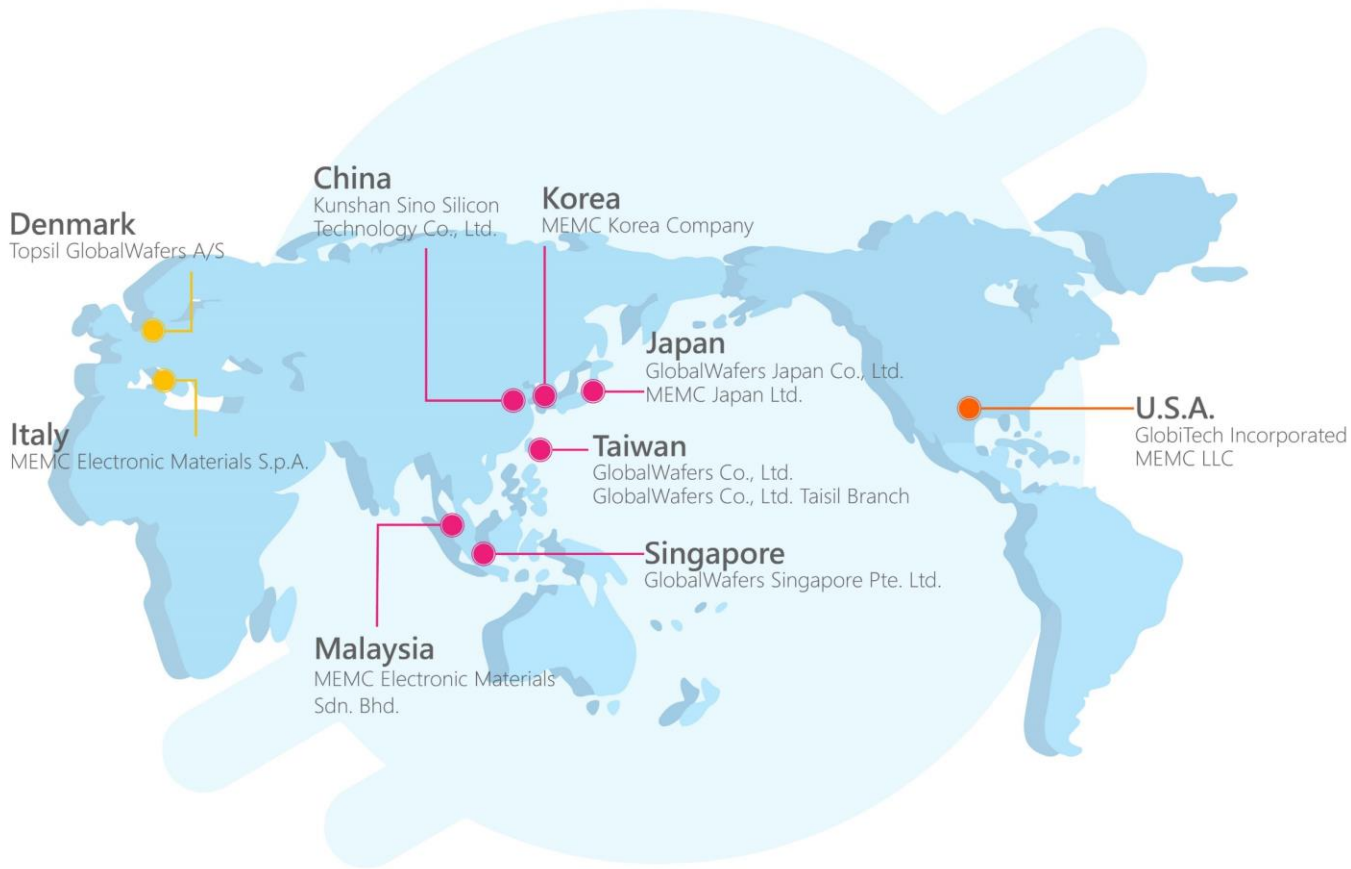
- 3" to 12" wafers
- Provide diversified product specifications to meet the different needs of customers.

03 Environment, Social and Governance

Take **Responsible Growth** as the operating principle; Strive to become the benchmark and contribute to Eco-friendly living.

- Environment: Pursue **Sustainable Development**
- Social: Dedicated to **Sharing & Volunteering**
- Governance: Embody **Transparency** and **Ethical Management**










Global Footprint

- Extensive global presence favorable for timely response to worldwide customers.
- Local supply mitigates the environmental impact of long distance shipments as well as macro instability and geopolitical tensions.

Road to Success

- 1981  中美矽晶製品股份有限公司
Sino-American Silicon Products Inc.
SAS Established
- 2008  GLOBITECH
DESIGNING EPI SOLUTIONS
Acquisition of GloBiTech Incorporated
- 2011  GlobalWafers Co., Ltd.
環球晶圓股份有限公司
SAS carved out 3 Business Units
Solar, Semiconductor & Sapphire
GlobalWafers Established
- 2012 | **COVALENT** |
Acquisition of Covalent Silicon Corporation
(Acquired all the semiconductor silicon wafer related business in the subsidiaries of the Japanese Covalent Materials Corp. and renamed as GlobalWafers Japan Co., Ltd.)
- 2015
GlobalWafers IPO
- 2016   SunEdison™
SEMICONDUCTOR
Acquisition of Topsil
Acquisition of SunEdison Semiconductor

Product Type & Applications

01

EPI Wafer

LE 6"
8"
12"

- Automobile
- Power Device
- MPU / MCU
- CMOS Image Sensor

02

Polished Wafer

LE 6"
8"
12"

- Memory
- Power Device
- Analog / Logic IC
- Communication

03

FZ Wafer

LE 6"
8"

- Medical Equipment
- Wind Turbine
- High Speed Rail
- Automobile

04

SiC Wafer

LE 6"

- Automobile
- High Speed Rail
- Wind Turbine
- High Voltage Power

05

Annealed Wafer

8"
12"

- Memory
- LCD Driver
- Analog / Logic IC

06

Diffused Wafer

LE 6"

- Automobile
- Electricity
- Aerospace

07

Non-Polished Wafer

LE 6"

- Discrete Device

08

SOI Wafer

LE 6"
8"
12"

- MEMS Sensor
- CMOS
- RF Device
- High Voltage Power
- Photonics

09

GaN/Si, GaN/SiC

LE 6"
8"

- Solar Inverter
- Power Supplies
- RF Power

Complete Product Offering

- Our product offering encompasses 3" to 12" wafers, allowing us to cover the full spectrum of client needs.
- GlobalWafers bonds with customers to develop new products and to cater to market needs.

Partners with Customers to Synchronize with Market Needs

01

Float Zone Substrates

- 8" Neutron Transmutation Doped (NTD) polished wafer for High Power devices
- 8" Preferred Float Zone (PFZ) polished wafer for Power devices

02

ECAS

Engineered Customizable Application Specific

- COP-free polished wafers with improved wafer strength and gettering capability
- Target applications include Memory, CIS, and 3D devices

03

12" SOI

- RF SOI with high resistivity handle
- CTL SOI with high resistivity handle and charge trap layer
- Photonics and CMOS Image Sensor applications

04

Wide Bandgap Substrates

- 6" n-type SiC polished wafer for HV Power devices
- 4" SI SiC polished wafer for RF devices
- 6"/8" GaN Epi on Si wafer for HV Power and RF devices

ESG Highlight

- Responsible Growth is our guiding principle in business practices.
- GlobalWafers aims at being at the forefront of global responsibility in the aspects of environment, health, safety and corporate governance.

Social

01 Sharing

Make a Difference

GlobalWafers encourages employees to spread their love by holding social welfare activities, embodying our wish to respond to people in need and pursue a better world.

02 Volunteering

Kindness Matters

By holding volunteer activities from time to time, GlobalWafers hopes to contribute a better tomorrow by fostering a common goal among colleagues to volunteer and share.

Governance

01 Ethical Business Practice



Legal Compliance



Grievance System



Codes of Ethical Conduct



Assessment of Risk

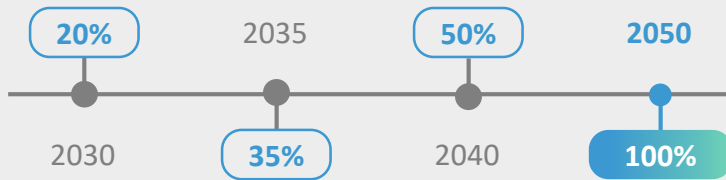
02 Corporate Governance

Awarded **Top 5% corporate governance** among all listed companies in Taiwan.

Environment

01 100% Renewable Energy by 2050

Progressive Goals and Climate Blueprint:



Approaches:



Adopt Renewable Energy



Carbon Removal



Improve Energy Efficiency



Purchase Carbon Offset Products

02 Water Recovery and Reuse



The water recovery rate of plants in Taiwan is **more than 50%**.

03 4R Strategy

GlobalWafers follows **4R Strategy** to pursue an ecologically-viable circular economy and focuses on **Redesign Process** to decrease usage from the source in advance.

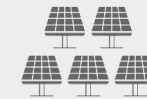
Reduce

Reuse

Recycle

Redesign

04 Solar Power Plants



GlobalWafers **builds solar power plants** to secure power supply and expand green energy weight.

05 Waste Recycled

More than 80% of our industrial waste could be recycled and reused.





Let's Dive into the GlobalWafers' World!

To discover more about the world of GlobalWafers, please visit our website (www.sas-globalwafers.com) to see the latest highlights.



Learn More on
Our Website

No. 8, Industry E. Rd. II, Hsinchu
Science Park, Hsinchu 30075,
Taiwan, R.O.C.

TEL: +886 (3) 5772255
FAX: +886 (3) 5781706



GlobalWafers Co., Ltd.
環球晶圓股份有限公司