



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

- **18** 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**

INTEGRITY



INNOVATION



PEOPLE



EXCELLENCE



PASSION








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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.
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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"
8"

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



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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

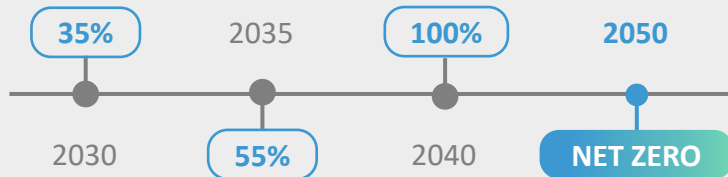
02 Corporate Governance

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

Environment

01 100% Renewable Energy by 2040

Progressive Goals and Climate Blueprint:



Approaches:



Adopt Renewable Energy



Improve Energy Efficiency



Carbon Removal



Purchase Carbon Offset Products



Value Chain Decarbonization

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.

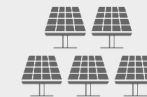
Reduce

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.



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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
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