



# GlobalWafers

## Global Family, Global Solutions!



**GlobalWafers Co., Ltd.**  
**環球晶圓股份有限公司**

[www.sas-globalwafers.com](http://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 3<sup>rd</sup> 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








GlobalWafers Co., Ltd.  
環球晶圓股份有限公司



## 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

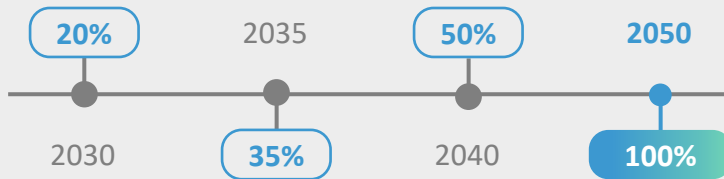
### 02 Corporate Governance

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.

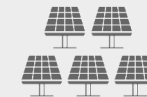
Reduce

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.



GlobalWafers Co., Ltd.  
環球晶圓股份有限公司





## Let's Dive into the GlobalWafers' World!

To discover more about the world of GlobalWafers, please visit our website ([www.sas-globalwafers.com](http://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**