



# FDOT FRP Rebar Workshop

June | 2016

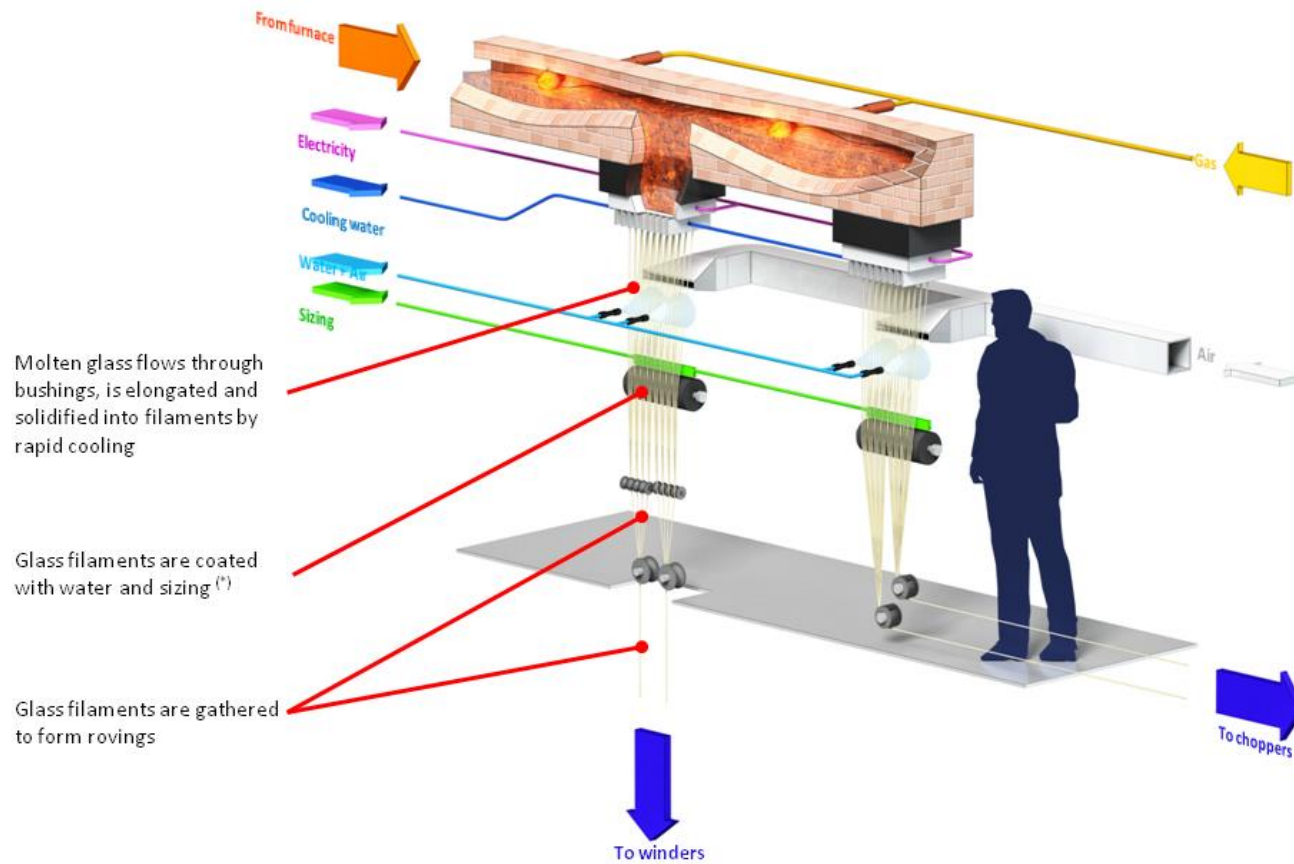
“rebuilding our infrastructure is  
common sense”

**President Ronald Reagan**

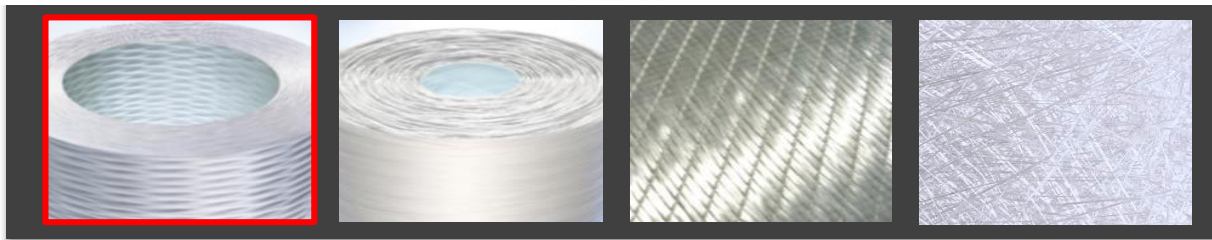
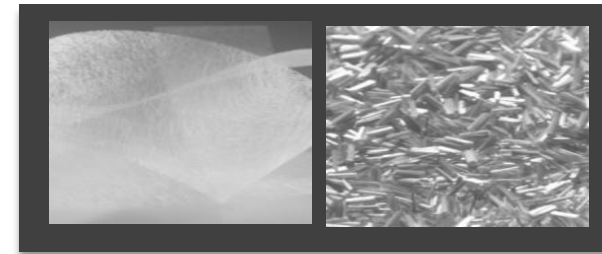
# GLASS MANUFACTURING



# GLASS MANUFACTURING



- Fiberglass industry started in 1937 in Ohio, USA
- Production today exceeds 5 ½ million Tes
- Modern factory 60-80ktes of product
- 6 Major product forms produced
- Industry growth at 4-5% per annum



# OWENS CORNING

- Founded in 1938
- 2015 Sales \$5.4 billion
- 15,000 Employees in 28 countries
- Three Divisions based on fiber glass
  - Composite Solutions
  - Roofing & Asphalt
  - Insulation
- Largest producer of fiberglass in the world
- NYSE: OC
- Component of the Dow Jones Sustainability index



# APPLICATION DEVELOPMENT



Reinforcements

Fabrics

Non-wovens



## CURRENT FOCUS END MARKETS

Building &  
Construction

Renewable Energy  
including Wind  
Energy

Automotive &  
Transportation

Pipes & Tanks

Consumer &  
Industrial Goods

# VALUE CHAIN SECURITY



Global needs

Standardization of the applications

Security of supply



## OC SOLUTIONS AND EXPERIENCE

Global footprint with 30 plants  
in 15 countries

Regional, technical presence  
with 6 R&D centers

Redundancy of manufacturing  
locations for each product line

Glass fiber leadership since  
1938 with the broadest range  
of product

Inventor of Fiberglas®  
Reinforcement with over 200  
researchers and hundreds of  
patents

# KEY TAKE AWAYS



**OWENS CORNING**

- Founded in 1938
- 2015 Sales \$5.4 billion
- 15,000 Employees in 28 countries
- Three Divisions based on fiber glass
  - Composite Solutions
  - Roofing & Asphalt
  - Insulation
- NYSE: OC
- Component of the Dow Jones Sustainability Index

**APPLICATION DEVELOPMENT**

Reinforcements  
Fabrics  
Non-wovens

**CURRENT FOCUS END MARKETS**

- Building & Construction
- Wind Energy
- Automotive & Transportation
- Pipes & Tanks
- Consumer & Industrial Goods

**VALUE CHAIN SECURITY**

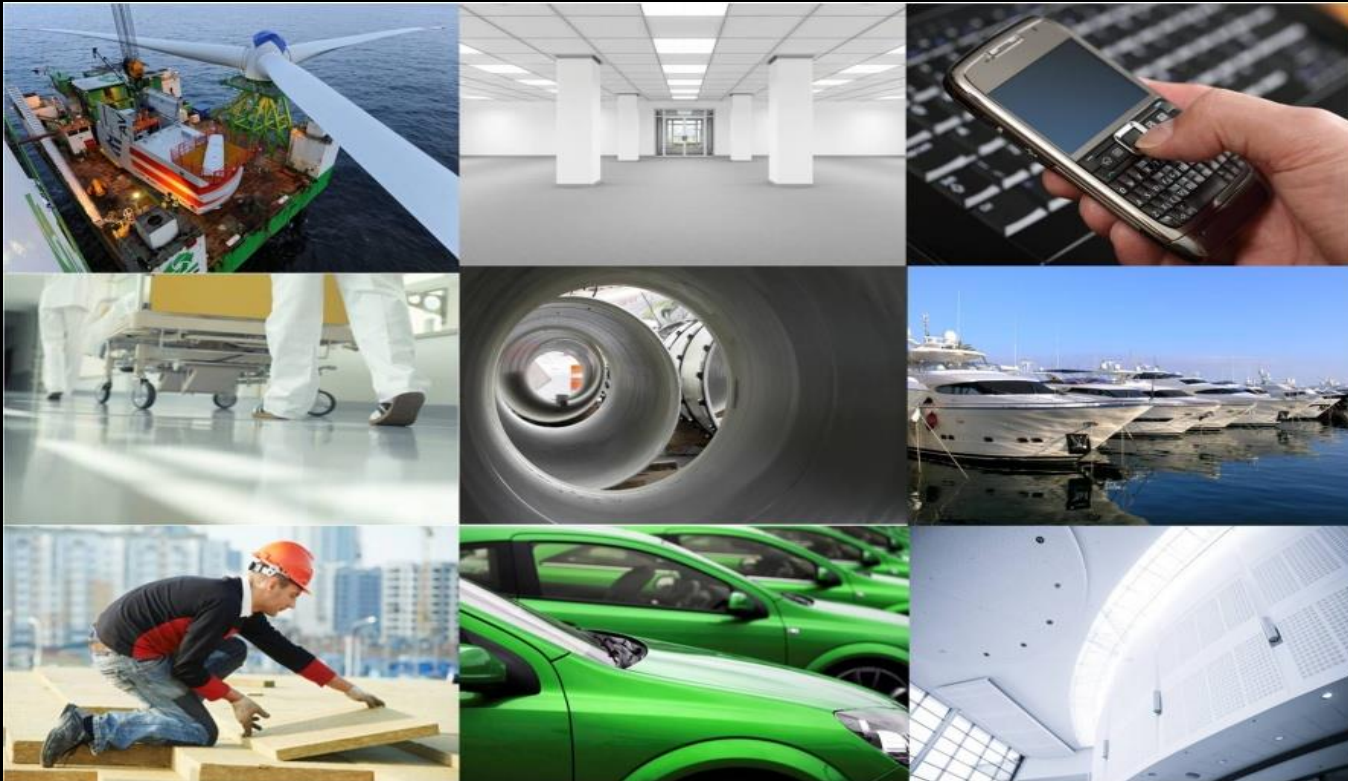
Global needs  
Standardization of the applications  
Security of supply

**OC SOLUTIONS AND EXPERIENCE**

- Global footprint with 30 plants in 15 countries
- Redundancy of manufacturing locations for each product line
- Inventor of Fiberglas® Reinforcement with over 200 researchers and hundreds of patents
- Regional, technical presence with 6 R&D centers
- Class fiber leadership since 1938 with the broadest range of product

- Glass composites industry exceeds 10 million of end use composite
- Owens Corning is the largest global producer with manufacturing in 16 countries
- Market growth is created by application develop
- Requirement for fundamental technology development
- Composite industry requires value chain security
- Owens Corning is committed to global supply chain & embedded redundancy





Focused on meeting key  
Composite challenges through

---

**Innovation**  
for new solutions

---

**Sustainability**  
of our products and operations

---

**Securing**  
Industry value chains

**If you have questions or inquiries, please contact:**

**[Christopher.skinner@owenscorning.com](mailto:Christopher.skinner@owenscorning.com)**

