

# Protective Coatings for Wind Energy

DWEA SMART Wind Composites Subgroup  
National Wind Technology Center  
Louisville, CO

# Krent Aberle

## The Sherwin-Williams Company

24 years with Sherwin-Williams  
NACE 3 Certified Coating Inspector  
Expert in Corrosion Protection of Assets

# The Sherwin-Williams Company Overview



**SHERWIN-WILLIAMS.**



## Sherwin-Williams:

- Operations in over 115 countries
- 4,000+ company-owned stores across six continents
- Regional headquarters in UK, U.S., Brazil, and China
- Over \$10 billion in annual sales

# Global Finishes Group:



**Automotive  
Finishes**  
Division



**Protective &  
Marine Coatings**  
Division



**Product  
Finishes**  
Division



# The Global Product Finishes Team

- **27 languages** spoken by our employees
- **221** Sales Representatives
- **344** Technical Representatives
- **357** Global R&D Personnel
- **831** Facility Employees

# Sherwin-Williams

- Nearly 150 years of innovation in coatings
- Aircraft and Aerospace solutions for over 30 years
- Composite solutions for more than 60 years

# Coatings

- Substrates- Composites, Steel, Concrete
- Surface Preparation
- Film Build (DFT)
- Barrier Protection
- Life expectancy
- Coating Solutions-Blades
  - Gel coat
  - Pore Filler/Putty
  - Primer
  - Primerless Urethane Topcoat
  - LEP



# Next Generation Coatings

- Impact Resistant- hail, grit, transport
- Ice shedding, self cleaning
- Military coating technology
- Anti-graffiti, anti-bacterial coatings
- Additives- MIO, Glass, Nano
- Polyurea
- Life expectancy

A photograph of several wind turbines in a field, with the sky transitioning from a deep blue at the top to a bright orange and yellow at the bottom, suggesting a sunset or sunrise. The turbines are white with blue-tipped blades. A semi-transparent blue banner is overlaid across the middle of the image.

# Sherwin-Williams Product Finishes:

**Your Partner in Finishing Solutions**