



# NSRP SP&C Panel Meeting

September 15<sup>th</sup>, 2026





## ***Built to Perform. Ready to Grow.***

**76+ years of formulating high-performance specialty coatings.**

One of the most diverse technology portfolios in the industry for our size—formulating across 10+ resin systems and 1,500+ SKUs, from MIL-SPEC and CARC to urethanes, alkyds, polysiloxanes, epoxies, water-borne, and high-solids—delivering speed, scale, and niche flexibility.

- *Trusted by the U.S. Military for over 50 years*
- *Exclusive tree marking supplier to the U.S. Forest Service*
- *Over 70% of formulas are customized or modified per customer need*



### **Partnership**

We work alongside customers and industry leaders—delivering responsive service, technical support, and hands-on training.



### **Customer Innovation**

We solve real-world problems with high-performance coatings, rapid custom formulation, and fast-turn R&D.



# Leading The Way Forward



## Our leadership brings together 100+ years of industry experience

*Including global leaders in coatings, chemicals, operations, and commercial execution.*

*This deep bench enables us to lead innovation, scale production, and partner meaningfully with customers.*



**Doug Mattscheck**  
Chief Executive Officer



**Lacey Meer**  
President



**Helmut Piotrasch**  
Chief Financial Officer



**Keith Schneider**  
VP of Operations

At NCP, we aim to be an industry leader while providing the personalized attention characteristic of a smaller company. Our vision is to expand rapidly by enhancing our market presence and impact over the next five years. We will achieve this by:

**CUTTING-EDGE  
TECHNOLOGY  
AND STRONG  
PARTNERSHIPS  
THAT DRIVE  
RESULTS**

**RELENTLESS FOCUS  
ON QUALITY,  
INNOVATION, AND  
CUSTOMER  
SUCCESS**

**A SAFE,  
SUPPORTIVE  
WORKPLACE  
WHERE PEOPLE  
CREATE VALUABLE  
SOLUTIONS**

We are establishing a future where NCP sets the ***standard for excellence*** in all the markets we serve.

Our goal is to achieve **excellence** at every level by cultivating a culture that is driven by:



SETTING THE STANDARD FOR  
**EXCELLENCE.**



## **MILITARY**

From incredible heights to  
the depths of the sea.



## **INDUSTRIAL**

Exceptional durability and  
protection.



## **FORESTRY**

A mark that lasts.



## **COMMERCIAL**

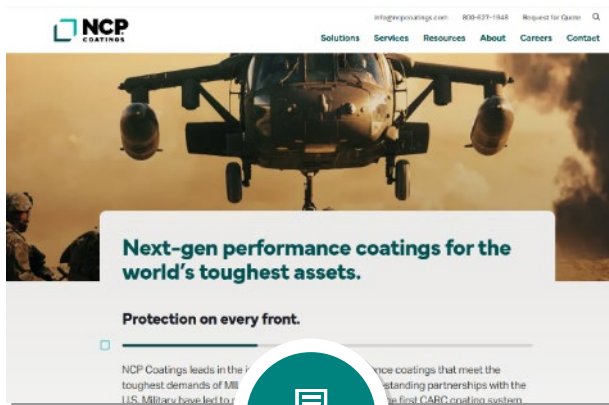
Engineered for the long  
haul.

# Why NCP? A Partner That Powers Diversification



## Product & System Offering

We offer approved MIL-SPEC and specialized industrial coatings, backed by in-house lab testing, rapid customization, and low-cost inventory programs to help you diversify with speed and confidence.



## Sales Tools & Programs

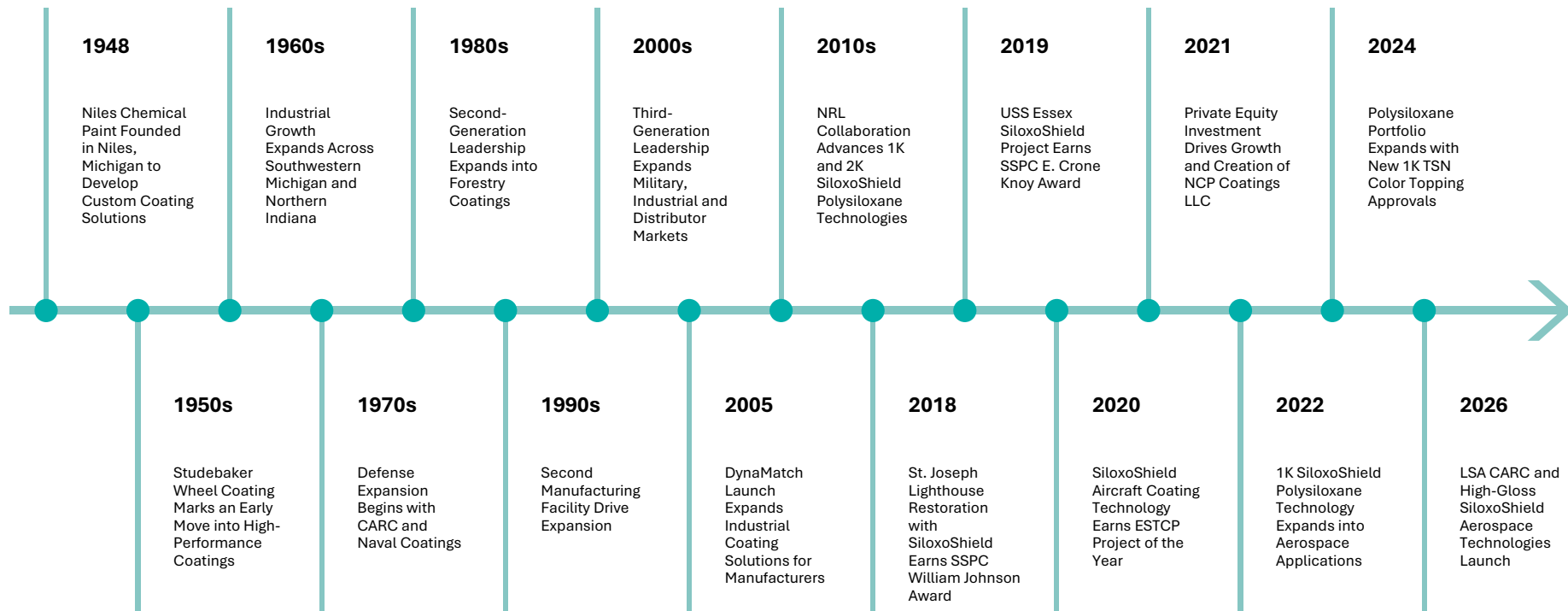
We equip you with demo support, turnkey sales collateral, digital marketing tools, and a new distributor locator to help generate leads and drive local traffic.



## Resources & Support

We support your success with hands-on training, expert field teams, responsive service, and the tools you need—from TDS access to localized mixing systems.

# Our History



# Industrial Segments



Amusement Park



Shipping Containers



Door and Window



Agriculture



Large Equipment



Manufacturing and Components



Railroad



Recreational Watercraft



Sign Display & Conversions



Trailers and Components



# Military Segments

## Ground Based Defense



## Naval



## Aerospace



# Key Military Partnerships



- Deep collaboration with Army and Navy research labs drives innovation and MIL-SPEC approvals
- Strategic partnerships and grant-backed projects help NCP deliver next-gen coating technologies that meet real-world defense needs



# Military Support Team



## Glenn Arent

### *Director of Sales – Military*

35+ years of Industry experience across nearly every sector of the industry. Glenn is a trusted resource for military specifications, coating systems, and defense program support.



## Robert Cloutier

### *Business Development – Military*

45+ years of shipbuilding and coatings experience, including 42 years at Bath Iron Works. Robert is a NACE Level 3 Coatings Inspector and has served on the SSPC Board of Governors and as Co-Chair of the NSRP SP&C Panel.



## Dave Zilber

### *Account Manager – Military*

Retired U.S. Navy Lieutenant Commander with 24 years of service supporting aircraft carrier operations, maintenance, and modernization. Brings firsthand defense expertise to support military coating programs.



## Stephanie Custard

### *Customer Service Manager*

18 years at NCP Coatings with experience supporting customers across a wide range of markets. Stephanie is a trusted resource for customer coordination, product requirements, and military program support.

# NRL + NCP Coatings Partnership



- NCP Coatings and NRL's long-standing partnership has helped turn advanced Navy coating research into practical, commercialized technologies.
- From Navy research to real-world applications, the partnership has helped NCP Coatings extend advanced coating technology well beyond its original use.
- Collaboration with NRL helped advance 1K polysiloxane technology SiloxoShield and launch SiloxoGrip.
- Proven technology developed for demanding naval environments created a foundation for broader applications, expanding into NAVAIR, commercial aerospace and industrial markets.

# Advancing Polysiloxane Technology



## Shared Goals of NCP Coatings, NRL, NAVSEA & NAVAIR

### Safer Formulations

- Non-isocyanate chemistry
- Reduced respiratory hazards
- Low VOC

### Simplified Application

- Single-component where possible
- Extended or no pot life
- Easier mixing
- Compatible with existing application equipment
- Reduced waste streams

### Increase Performance

- Flexibility
- Weathering resistance
- Strong adhesion
- Low Solar Absorptance (LSA)

### Qualified Systems

- **Naval SiloxoShield:** MIL-PRF-24635 Type V, Comp 1 & Type V & VI Comp 2
- **SiloxoShield TSN:** TT-P-28J Type I, Class 4, Comp 1
- **SiloxoGrip:** MIL-PRF-24667 High Durability
- **Aerospace SiloxoShield:** MIL-PRF-85285 Type I, II, & IV Class NH
- **Repair Solutions**

# Naval SiloxoShield (MIL-PRF-24635)



- Developed with NRL
- 1K and 2K low-VOC formulations
- Urethane-like performance without isocyanates
- Extended durability and high hydrocarbon resistance
- Low-gloss to Gloss options
- Spray, brush or roll application
- Supporting the NSRP Oxsol-Free Polysiloxane Project with new N-9999OF 1K formulation

# 2019 SSPC Award Winner



- SSPC awarded NCP Coatings the 2019 E. Crone Kroy Award for the USS Essex (LHD 2) coating project using SiloxoShield® 1K single-component polysiloxane.
- U.S. Navy sailors repainted the USS Essex while the ship remained in port, eliminating the need for drydocking.
- The project is estimated to have saved the U.S. Navy more than **\$3 million** in typical repair costs.

# 2018 SPPC Award Winner



- Awarded to NCP Coatings, the City of St. Joseph, Mihm Enterprises and Smay Trombley Architecture for the restoration of the historic St. Joseph, Michigan Lighthouse.
- NCP Coatings donated SiloxoShield® polysiloxane topcoats and epoxy primer systems used in the restoration.
- The SSPC William Johnson Award recognized the project for outstanding achievement and aesthetic merit in industrial coatings work.



- 1K polysiloxane system
- Sealer protects thermal-spray wire and deck surfaces from corrosion
- Low-gloss color toppings to match surrounding MIL-PRF-24667 nonskid
- High coefficient of friction with excellent wear and hydrocarbon resistance
- Non-isocyanate system with no amine blushing
- Withstands temperatures up to 650°F
- Qualified to TT-P-28J Type IV

# SiloxoGrip (MIL-PRF-24667)



**Developed with NRL, SiloxoGrip nonskid was designed to improve durability and performance compared with traditional epoxy nonskid systems used on U.S. Navy ships.**



- **5+ years of durability** compared with less than 2 years for traditional epoxy nonskid coatings
- Improved UV stability, stain resistance and chemical resistance
- Maintains coefficient of friction over a longer service life
- Excellent wear resistance
- Roll or spray applied
- No amine blushing
- Low-VOC formulation at 1.6 lb/gal
- Supported the NSRP Cleanable Nonskid Project

# SiloxoGrip (MIL-PRF-24667)



## USS Mason Demonstration

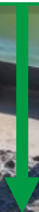
6 months after roll application (July 2010)

**Type V Epoxy Nonskid**  
Control

Visible degradation  
and loss of profile

**SiloxoGrip® Nonskid**  
NCP Coatings / NRL technology

Profile and color retained  
after 6 months

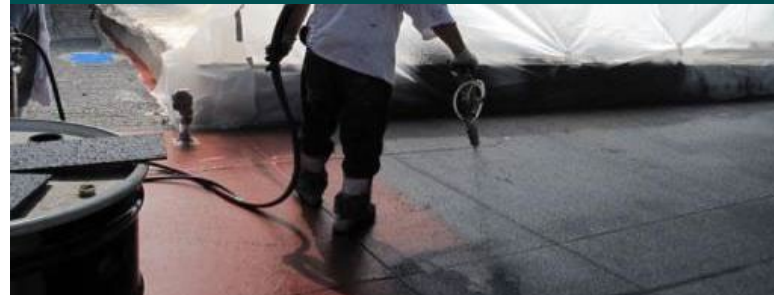


Same nonskid formulation can be  
rolled or sprayed applied

## Roll application



## Spray application



# SiloxoGrip Platform Use Cases



## CANADIAN NAVY Surface Vessels

Testing began in 2019 on HMCS Moncton. Successful evaluations led to SiloxoGrip being specified for all surface-vessel nonskid MRO repairs.



## U.S. NAVY LCS 2 Class

Selected to address cracking on flight decks due to its flexibility and lighter weight. Success has led to class-wide MRO use. USS Cincinnati completed three cycles before replacement versus one with typical epoxy.



## U.S. NAVY LCAC

The U.S. Navy needed a flexible, stain-resistant nonskid for aluminum LCAC car decks exposed to vehicle traffic. SiloxoGrip was selected based on proven LCS performance, longevity and lighter weight.



## AUSTRALIAN NAVY LHD

The Australian Navy sought an isocyanate-free alternative to urethane nonskid without sacrificing UV and chemical resistance. Following successful testing, SiloxoGrip was selected for an LHD platform.

# Aerospace SiloxoShield (MIL-PRF-85285F)



- 1K and 2K polysiloxane coating systems for aerospace applications
- Qualified to MIL-PRF-85285F across Type I, II & IV applications
- Isocyanate-free formulations with low-VOC and HAP-free options
- Lightweight systems delivering approximately 10–30% weight reduction
- Excellent UV/weathering, corrosion and chemical resistance
- Flexible, durable performance for demanding operating environments
- 1K ready-to-spray option eliminates mixing and reduces material waste

# From Naval Innovation to Aerospace Application



The long-standing NRL partnership created the foundation for NCP Coatings to expand SiloxoShield into aerospace applications through collaboration with NAVAIR.

## Platform Adoption

- NAVAIR selected SiloxoShield as the maintenance and repair topcoat for H-1 aircraft.
- An H-1 aircraft is coated with SiloxoShield at Camp Pendleton approximately every 2–3 weeks.
- All U.S. Marine Corps aircraft have transitioned to SiloxoShield.

## Demonstration & Development



2016

2019

2022

2023

2024

H-1 - 1K Camo Gray 36375 demonstrations at FRC East, FRC Southeast, North Island and Camp Pendleton.

Product Qualification - Product receives official military qualification.

F-16 - BORTA demonstration at Hill AFB.

C-130 - U.S. Marine Corps demonstration.

# Other Ongoing Testing



KC-135 @ Tinker AFB



B-52 @ Patrick SFB (6-months)

# From Fleet Feedback to Practical Repair



Through our work with CCAT, we've received direct fleet feedback on the challenges crews face with coating repairs in the field.

**Fleet Need:** A simpler, more practical way to handle small touch-up repairs onboard than bulk containers or cartridge-based solutions.

**Our Solution:** Portable, pre-portioned blister packs for 1K and 2K polysiloxane coatings. All components are contained in one burst pouch for easy hand mixing and application. Currently available for SiloxoGrip and SiloxoShield for naval and

# St. Joseph North Pier Lighthouses



- Built in 1907 on Lake Michigan at the mouth of the St. Joseph River.
- Riveted and welded steel construction with an outer lighthouse, inner lighthouse and elevated catwalk.
- One of only two remaining Great Lakes lighthouse configurations of its kind.
- Listed on the National Register of Historic Places.
- Pier owned and operated by the U.S. Army Corps of Engineers.
- Lighthouses and catwalk owned and maintained by the City of St. Joseph; navigational lights maintained by the U.S. Coast Guard.

# Renovation History



**2013:** City of St. Joseph purchased the lighthouse from the federal government for restoration.

**\$2 Million Community-Funded Restoration**  
Supported through the Lighthouse Forever Fund.

## Project Team

- **Architect:** Smay Trombley
- **Historic Renovation Contractor:** Mihm Enterprises
- **NACE Oversight:** Dixon Engineering
- **NCP Coatings:** Donated paint and technical support, including approximately \$36,000 in coating materials.

**2015: Restoration Completed**

# Environmental Conditions: St. Joseph, Michigan



- **Wave & Splash Exposure**

- Wave activity ranging from 0–20 ft.
- Waves impacting piers can create splash exposure reaching approximately 75–100 ft.

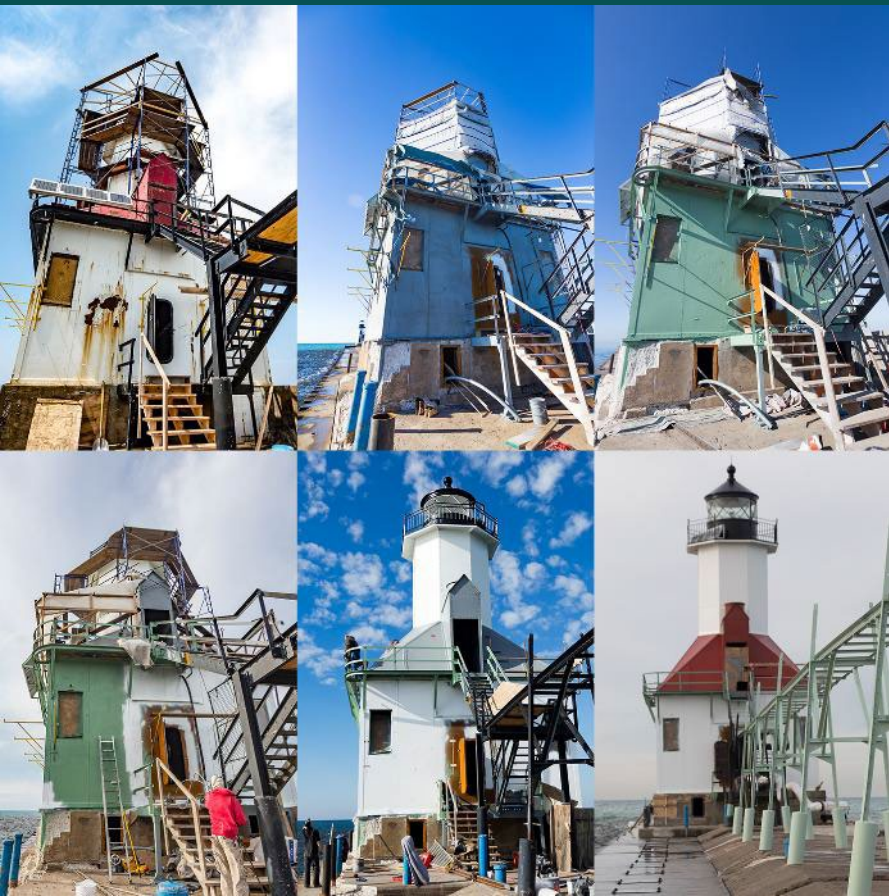
- **Water Conditions**

- Freshwater environment with high concentrations of calcium and sand
- Non-tidal glacial lake and river exposure
- Water temperatures from the low-to-mid 30s °F in winter to approximately 80 °F in summer

- **Climate**

- Air temperatures ranging from approximately 5 °F to 90 °F
- Relative humidity from 0–80%+
- Full four-season exposure
- Average annual snowfall of approximately 71–77 in.

# Surface Preparation and Coating Systems



- **Surface & Structural Preparation**

- **Near-White Metal Blast** (SSPC-SP10/NACE 2)
- **Steel Repairs:** Damaged steel removed, replaced, and re-riveted or welded as needed to preserve historical integrity.

- **Coating Systems**

- **Primer:** MIL-DTL-24441 Type III/F159 Zinc Rich, 2 mils minimum DFT above blast profile
- **Intermediate Coat:** MIL-DTL-24441 Type IV, Formulas 150/151, 9–12 mils combined DFT
- **Topcoat:** MIL-DTL-24635 Type V & VI 2K SiloxoShield®, 2 coats | 5–6 mils DFT
- *1K SiloxoShield in Red + Clear was used on the inner lighthouse roof.*
- **550+ gallons of coating applied**

# Optional Tour



**Wednesday Sept. 16th**  
**8:00 AM**

# NCP General Tour Information



## Visitor Badges

- Escort Required badges will be provided and must be worn at all times while on-site.

## PPE Requirements

- Closed-toed shoes and safety glasses are required.

## Emergency Muster Areas

- Tornado: Use marked tornado shelters throughout the plant and office buildings.
- All other emergencies: Meet in the visitor parking area in front of the Sales Office Building.

## Plant Awareness

- Watch for forklift traffic, tripping hazards, and active work areas. Stay with your group and remain close to your tour guide.

## Facility Rules

- The entire plant is an ITAR-controlled facility. No photos or cell phone use are permitted inside the plant gates.
- No food or drinks are permitted inside the plant gates.

## Questions Welcome

- Feel free to ask questions throughout the tour. We will answer everything we can.

# Questions & Contact Information



Thank you for the opportunity to share our work and for the continued collaboration across the NSRP SP&C community.

We appreciate the partnership, feedback, and shared commitment to advancing practical coating solutions for the fleet.

**Glenn Arent**  
**Director of Defense Sales**

574-315-4167  
800-627-1948 ext. 258  
glenn@ncpcoatings.com

**NCP Coatings**  
**225 Fort St., Niles, MI 49120**  
**[www.ncpcoatings.com](http://www.ncpcoatings.com)**