

nProtect

Automotive Coating Line - nProtect[®]

AdMat Innovations Private Limited

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Key Objective of Working Together

Bringing Incredible Nanotechnology Based Products into
Areas of Heavy Duty Automotive Industry

Our Work

We are experts at surface protection with our extremely advanced surface clear coating systems and a team with a deep understanding of the chemistry that goes into it

AdMat Innovations – Introduction

About Us

- Founded with an aim to commercialize nanotechnologies with market potential
- Company started by IIT Bombay graduates, and the team has expanded to include:
 - Established innovation businessmen
 - PhDs specialized in nanotechnology
 - Team of expert technicians
- Unparalleled focus on commercially viable, high performance advanced materials innovations and nano-coatings
- Our own R&D Labs in Mumbai and manufacturing in Surat

Companies/ Organizations We Are Working With



nProtect[®] - Our Flagship Product Line for Heavy Duty Automobiles

Typical Maintenance of Surfaces

- Cleaning of surfaces requires harsh chemicals
- Fading/ blemishing of surface considered normal – coated and uncoated surfaces
- Using soft chemicals/ sealants as temporary measures – which do not last and break away
- Labour cost due to sanding requirements on every restoration/ repair
- No chemical bond – hence no permanent surface protection
- Damage to coatings due to corrosion and abrasion is usual

nProtect[®] - Permanent Protection with Extremely Advanced Nanotechnology Based Coating System

- **Complete Restoration and Protection from Corrosion/ Oxidation**
Oxidised as well as non-oxidized surfaces are revived and their lives are enhanced
- **Extremely Long Lasting**
One application lasts for over 10 years
- **Very Easy to Apply**
Simple spray coat application using HVLP or airless spray system post pre-cleaning
- **Protection Against ALL Weathering**
Complete protection from UV, corrosion, acid rain, other chemical elements
- **Extreme Chemical Resistance**
Protects against the harshest of chemicals with no impact
Bird Droppings, salt, pollutants, simply wipe off with no efforts
- **Minimalize and Simplify Clean Up/ Maintenance**
Repels any debris build-up from dust, salts, pollutants, other environmental externalities; expediting clean-up and maintenance and providing lasting shine and protection
- **Environment Friendly**
Significantly reduces use of chemicals by eliminating need for maintenance
Carbon footprint goes down due to higher fuel efficiency

nProtect[®] - Extreme Oxidation Protection

(across Industries and Surfaces)



Aurora – Life Boats



Freight Containers – India

Our Areas of Work – Globally and India:

- Road Transportation – containers, trucks, buses
- Railway Cars and Coaches
- Heavy Industrial Equipment
- Bridges, Industrial Pipelines
- Defence Vessels/ Warships
- Ports – Cranes, Diesel Tanks, RTGs
- Equipment on Large Ships
- Boats – Life Boat, Yachts, Aluminium

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Our Coating is being applied by manufacturers and OEMs on multiple areas including:

- Vehicle Bodies and Cabin
- Freight Containers – Reefer and Insulated
- MS frames for trucks and buses
- Textured Plastics – bumpers, vinyls
- Wheel caps – for resisting accumulation of dirt/ mud/ tar

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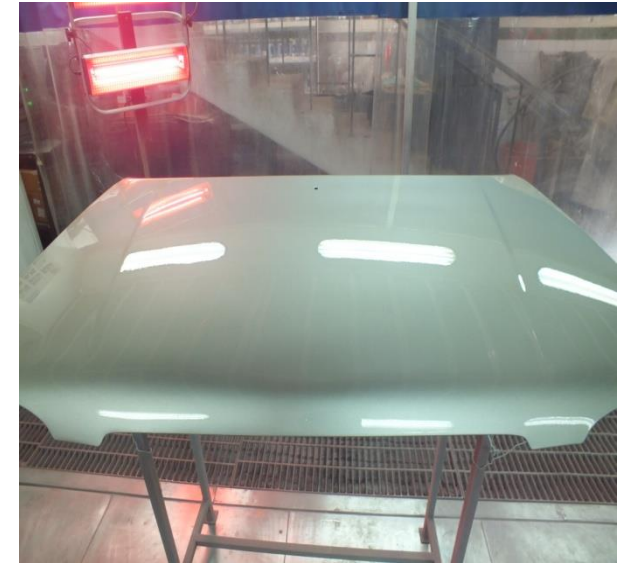
(across Industries and Surfaces)



Logistics Players, India – Gati, TCI, TM International

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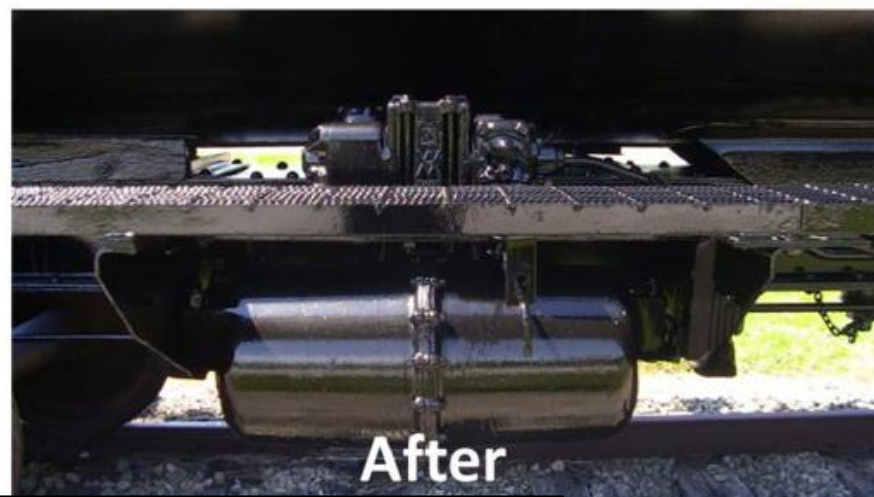
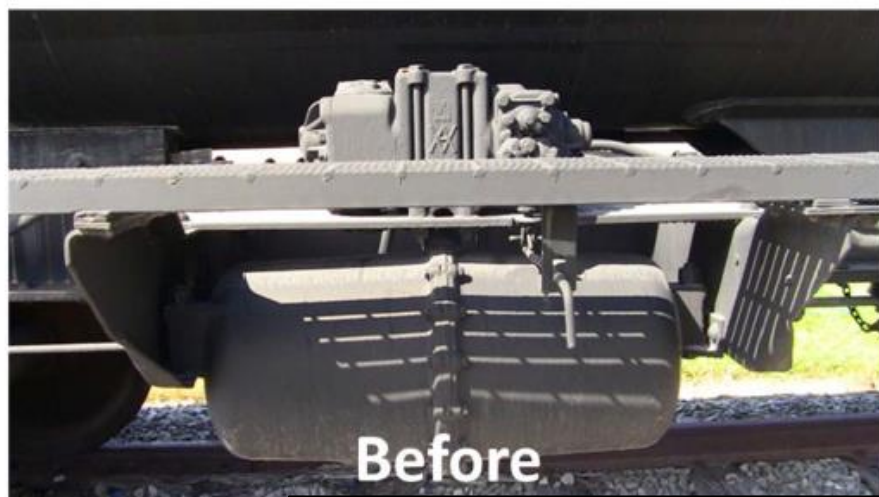
(across Industries and Surfaces)



Retail Automobile Manufacturers and Dealers – Maruti Suzuki, Sagar Automobiles (Bangalore)

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United Tank Cars, US – Over 4,000 Tank Cars being coated annually

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Queen Elizabeth – UK



Defence Vessels – USA, India



Road Transportation Vehicles – India

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We work across heavy port and marine equipment:

- Cranes
- Diesel Tanks
- RTGs
- Forklifts
- Spreaders
- Vessels – tugs, pilots

- J N Port
- APM Terminal
- DP World Terminal
- Nhava Sheva, India



- Shipyards – boat manufacturers, repairers
- Private Boats
- Alibaug, Ambernath, Mumbai

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Boat Manufacturers and Shipyards, India – Mahindra, Marine Frontiers, Ocean Blue, Godrej

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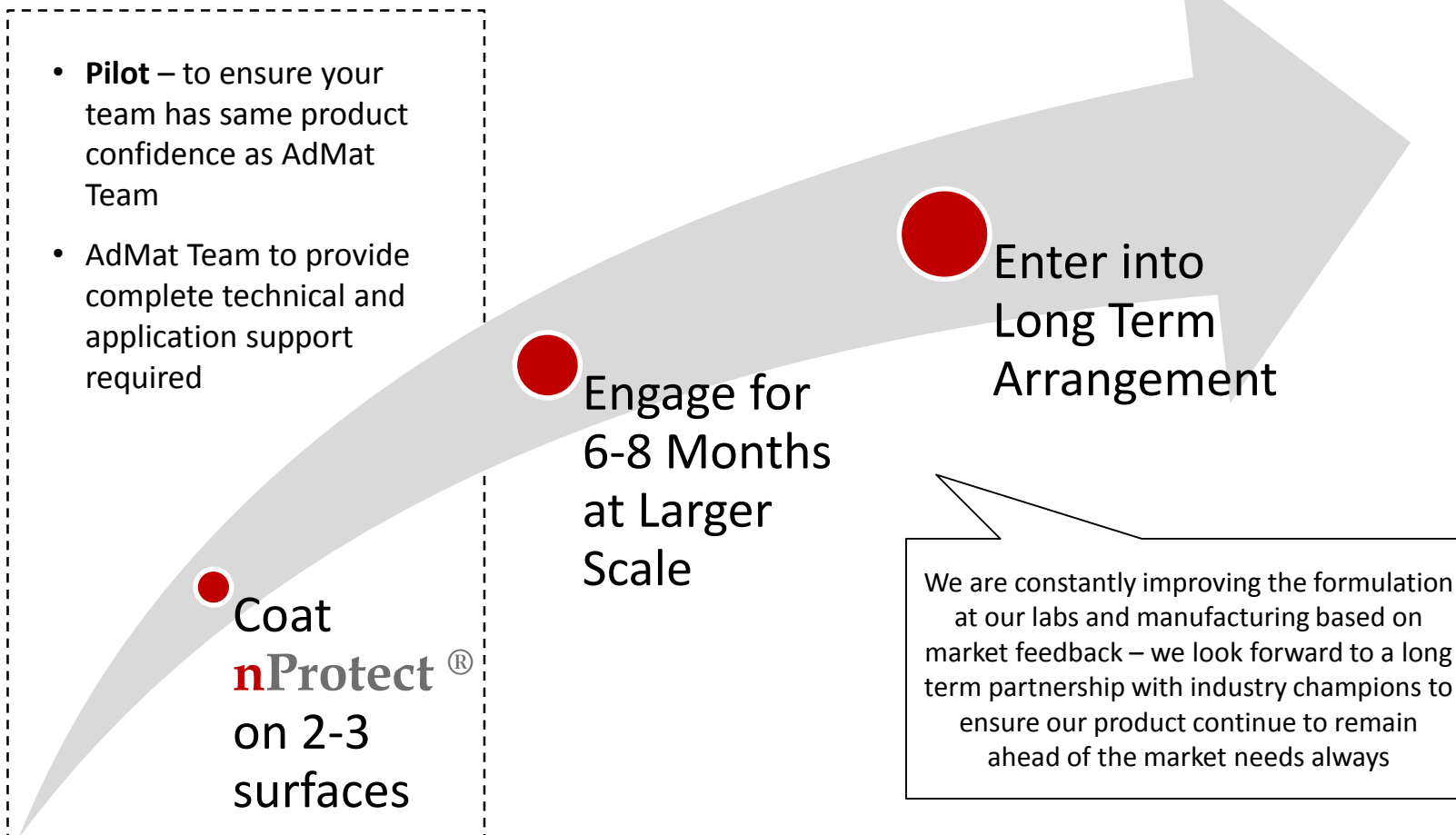


We are currently working on getting DGCA approval for our coating line in aircraft industry:

- Elevators
- Propellers
- Air-craft bodies for fuel efficiencies

Our Approach to Working Together

IMMEDIATE NEXT STEP



Next Steps

- Identify key application areas for pilot
- Understand timelines for running the pilot – and resource requirements for the same
- Build an understanding of on-going long term commercials, as we enter next phase
- Scale up coating application

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