

SURLON

Surlon Group operates across three specific engineering domains with specialised companies building across the country. Our capabilities are aligned with industry needs, supported by strategically located facilities and a unified supply chain. Each of the five business verticals is focused on delivering high-performing components that are built for demanding applications. From material processing to final assembly, our integrated operations enable consistency, speed and large scalability across projects.

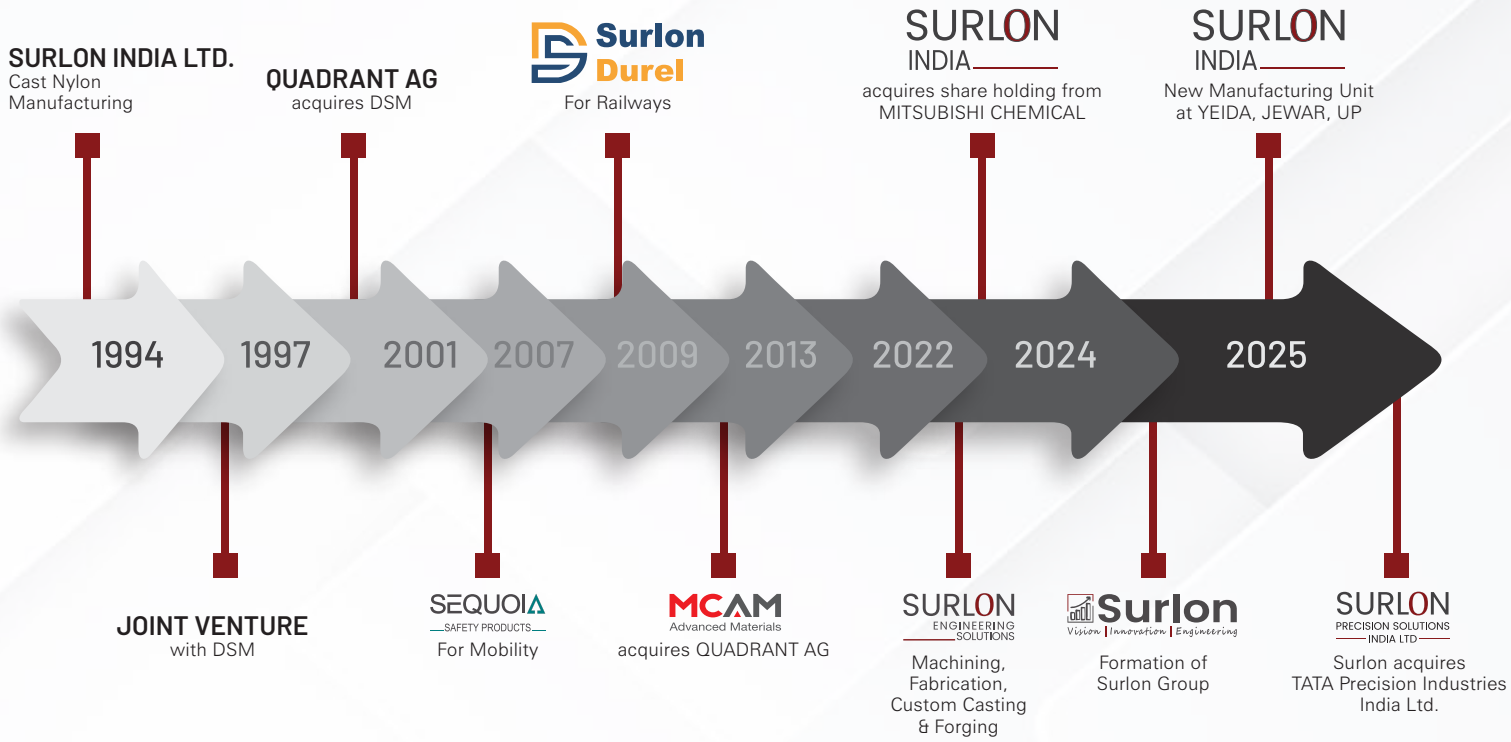
Surlon
Vision | Innovation | Engineering

- **ENGINEERING PLASTICS**
  - SURLON INDIA — Engineering Plastics Casting, Extrusion, Moulding, Machining & Assembly. Carbon Fibre
- **MOBILITY**
  - Surlon Durel — Engineered Components for Rolling Stock
  - SEQUOIA SAFETY PRODUCTS — Hydraulic Dampers, Pantograph, Cast PUR Products
  - SURLON ENGINEERING SOLUTIONS — Draft Gears, Semi permanent couplers & damping systems
- **AEROSPACE DEFENCE & TELECOM**
  - SURLON PRECISION SOLUTIONS INDIA LTD — Precision Machining For Aerospace, Defence & Telecom

Surlon
Vision | Innovation | Engineering

ABOUT THE COMPANY

We design, develop and manufacture high performing engineering components that meet demanding technical requirements across aerospace, semicon, electronics, defence, railways, mobility, energy and industrial systems. Every product is built with precision. Every process reflects decades of experience. We solve real-world problems, continuously improve through research and push our ideas further to expand what's possible in modern manufacturing.



OUR PURPOSE

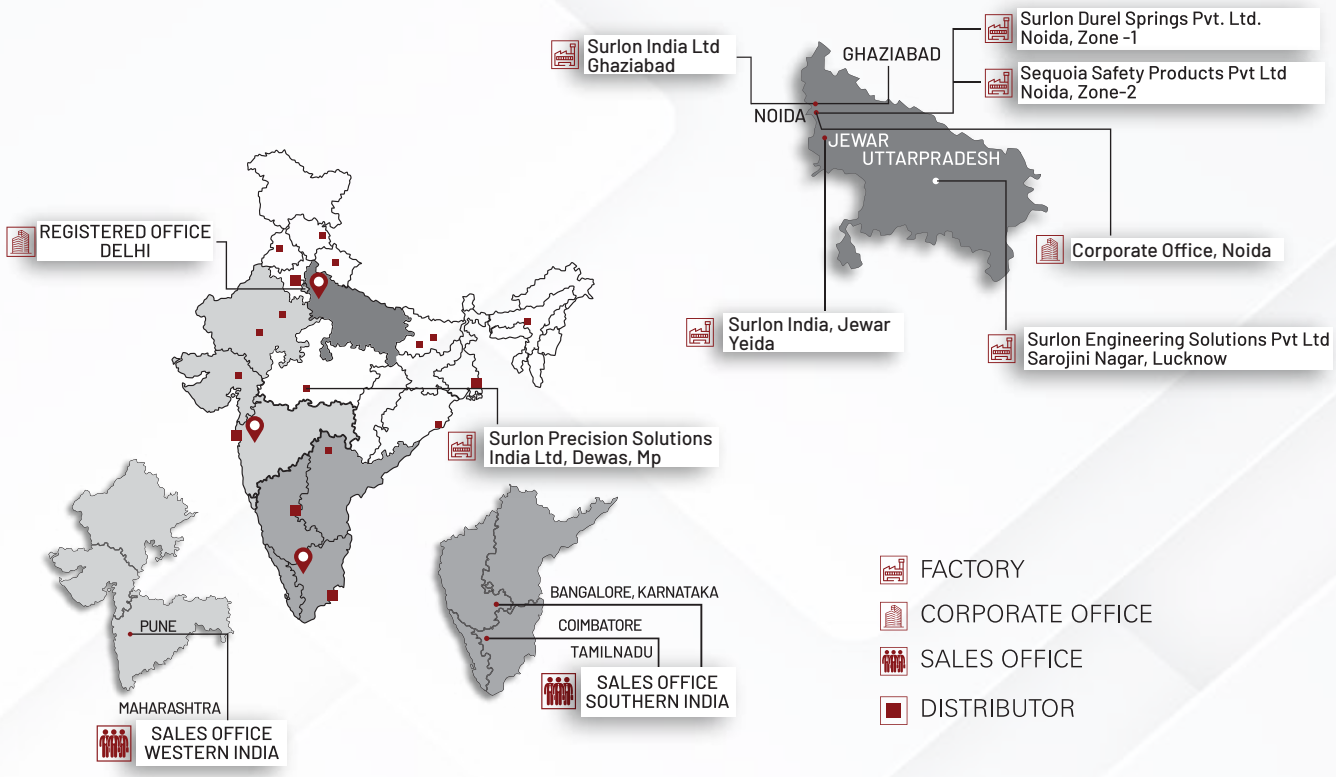
MISSION

To develop high performing engineering solutions globally with a special focus on innovation, environmental responsibility and evolving customer needs. We strive for excellence in design, execution and client satisfaction through technology, precision and integrity.

VISION

To become a global leader in the advanced material & engineering solutions industry by continuously innovating, investing in tech and building a reliable ecosystem for growth. We aim to become leaders to deliver unparalleled customer satisfaction in the engineering industry.

WHERE WE WORK





SECT. 155, NOIDA, UP
MFG.AREA 34,000 SQ.FT.



SECT. 32, YEIDA, GBN, UP
MFG.AREA 1,30,000 SQ.FT.



GHAZIABAD, UP
MFG.AREA 25,000 SQ.FT.



LUCKNOW, UP
MFG.AREA 10,000 SQ.FT.



Dewas, Madhya Pradesh
MFG.AREA 30000 SQ.FT.

PROCESS CAPABILITIES

MATERIAL PROCESSING
- Cast Nylon (Polyamide)
- Extrusion
- Cast PU Manufacturing
- Injection Moulding

COMPOSITES
- Composite Parts
- Metal Matrix Composites

RESEARCH & DEVELOPMENT
- Dedicated Research & Design Teams Focused on Innovation
- State-of-the-art Polymer Testing Lab for Performance Validation
- Robust Inspection Setup for Quality Assurance

FABRICATION, ASSEMBLY & INSTALLATION
- Expert In-House Welding
- High-Quality Painting Facilities
- Advanced Plasma Cutting
- Streamlined Assembly Setup
- On-Site Installation Support

MACHINING
- State-of-the-art dedicated Machining for Engineering Plastics – superior accuracy & consistency
- Dedicated Precision Machining for Metal Components – high quality & reliability
- Temperature-Controlled Shop for Plastics – stable dimensions & precision
- Clean Room Manufacturing – contamination-free, high-precision production



KEY STRENGTH AND OPERATIONAL APPROACH



1

WORLD WIDE REACH
Exporting solutions to USA, Europe, UK, Africa, Australia and Asia

2

RISING FOOTPRINT
6 Factories with new 20,000 m^2 site added in 2025

3

BUSINESS STABILITY
Technically-led YoY growth across core sectors

4

TURNKEY PROCESS
Design, prototype & production supported by tech investment

5

DIVERSE INDUSTRIES
Capital equipment, automobile, railways, aerospace and more

6

ADEPT WORKFORCE
750+ dedicated employees supporting development

Empowering Industries with Engineering Solutions

Surlon
Vision | Innovation | Engineering

SURLON TESTING LAB CAPABILITIES

ISO 9001:2015 CERTIFIED IN-HOUSE LAB FOR TESTING OF INCOMING MATERIAL AS WELL AS FINAL PRODUCTS DELIVERED TO CLIENTS.

MATERIAL CHARACTERISATION
DSC, Specific Gravity Tester, Melting Point Tester & Muffle Furnace to analyse polymer structure, thermal stability and density.

MECHANICAL TESTING
Universal Testing Machine (UTM), Compression Setup, Spring Tester, Servo Hydraulic & Endurance Tester to measure strength, load capacity and fatigue resistance.

SURFACE & WEAR PERFORMANCE
Wear Tester, Friction, Rockwell & Surface Hardness Tester Measure abrasion, Friction and Material hardness.

ENVIRONMENTAL SIMULATION
Hydrolysis Setup, Hot Air Oven and Xenon Arc Chamber test Resistance to heat, Humidity, and UV exposure.

ELECTRICAL & COATING EVALUATION
Meggar Meter, HV & DFT Tester to test insulation resistance, Voltage reliability and Coating thickness uniformity.

DIMENSIONAL INSPECTION CMM, VNM
Profile Projector to verify geometric tolerances,Edge quality and Dimensional precision.

ASSESSMENT
Evaluate technical feasibility with our design team

SELECTION
Choose material basis application needs

PROTOTYPING
Build and test the product prototypes

PRODUCTION
Full scale production with tech investment



DESIGN DRIVEN APPROACH

At Surlon Group, we do much more than manufacture. We visualise, innovate and then engineer solutions. Our in-house design team works at the intersection of your application needs and production feasibility to turn ideas into performance ready components. From concept modeling to testing, each stage is guided by technical precision. We collaborate closely with clients to solve complex design challenges and optimise for real-world use. This approach ensures faster development, better outcomes and long-term reliability right from our first design to the final delivery.

VISUALISE

We approach design from the concept stage with application intent, carefully analysing load paths, operating conditions, material behaviour, and service life to create solutions that are both robust and reliable.

INNOVATE

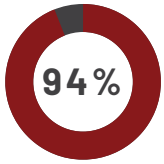
Innovation for us means anticipating industry challenges and co-creating engineering material-based solutions that solve problems before they turn into failures.

ENGINEER

With simulation and FEA, we move beyond appearance to predict real-world performance—ensuring each design withstands load, motion, and time in both production and service.

PRODUCT APPROVAL RATE

94% of our parts are approved in the client review: a result of precise design, application-specific engineering and in-process validation.



CORE PRODUCTS BY COMPANY

ADVANCED MATERIALS IN ACTION

Whether polymers, composites, or metals—our materials are selected based on performance in demanding environments. We design solutions that reduce wear, increase service life, and optimize load capacity across applications.

INTEGRATED ENGINEERING & DESIGN

Our in-house design and prototyping teams help bring complex ideas to life—from machined components to fabricated assemblies and hybrid systems for transportation, energy, and capital equipment. Engineering team is well equipped to carry out simulation and FEA offering robust solutions.

SMART MATERIAL COMBINATIONS

Where needed, we combine metal strength with polymer efficiency and composite resilience, ensuring safety, durability, and high strength-to-weight performance in every final assembly.

SURLON INDIA LTD

ISO 9001:2015
ISO 14001:2015
IATF 16949:2016

At the forefront of polymer engineering, Surlon India delivers advanced material solutions that redefine performance standards Specialising in high-precision engineering plastics, the company supports critical applications where metal components reach their limits offering lighter, cleaner and more efficient alternatives backed by technical depth and industry experience. We have clean room and temperature - controlled machine shop for aerospace and semicon.

Lightweight A fraction of the weight of steel	**Self-Lubricating** Runs with little or no grease	**Corrosion-Proof** No rust, no coatings needed	**Insulating** Electrically nonconductive

GEP General Engineering Plastics

Cast Nylon, UHMW-PE, POM and PET

SERVICE TEMP	Up to 140°C continuous
STRENGTHS	Low friction · Wear resistance · Toughness · Easy to machine
INDUSTRIES	Food processing · Packaging · Material handling · Agriculture · Machinery

AEP Advanced Engineering Plastics

Performance polymers for extreme heat, chemicals and precision.

SERVICE TEMP	Up to 350°C continuous
STRENGTHS	Thermal stability · Chemical resistance · Dimensional stability at temperature
INDUSTRIES	Semicon · Electronics · Aerospace · Chemical processing

OUR PRODUCTS

Supplied as **Rods · Sheets · Tubes · CNC-Machined Parts**

Metron® PEEK
Continuous service to 260°C, resists most chemicals

Metron® PPS
Hot, chemical environments at lower cost than PEEK

Metalon®
Heavy-duty wear parts, gears, sheaves, rollers

MetaPOM®
Sliding and precision parts needing extra-low friction

MetaPET®
Tight-tolerance parts, low moisture absorption

MetaPUR
Wheels, rollers and scrapers that resist abrasion

Metalene®
Chute and hopper liners, wear strips, sliding surfaces

General Polymers
PTFE for chemicals, plus general-purpose grades



Empowering Industries with Engineering Solutions

Surlon
Vision | Innovation | Engineering

SURLON DUREL SPRINGS PVT LTD

ISO 9001:2015
ISO 14001:2015

Surlon Durel specialises in engineered polymer-based spring and damping systems used in critical mobility and heavy-duty applications. We supply high-performance components for railways, cranes and material handling equipment, offering solutions that are lighter, maintenance-free and built for long service life in demanding environments.

OUR PRODUCTS

Category A Side Buffer
ONLY MANUFACTURER IN INDIA

Built to EN 15551 Category A and type-tested in Germany.

Loco Side Buffer
INDIAN RAILWAYS

For Indian Railways locomotives, built for long service with low maintenance.

Polymer Springs
For draw gear, coupling and buffer systems

Draft Gears
Absorb buff and draft forces between vehicles

Vibration Dampers
Isolate vibration and shock in moving equipment

Wear Bearings
Low-friction, long-life wear interfaces

Custom Components
Built to your design specifications

INDUSTRIES

Railways
Indian Railways and metro rolling stock: high deflection, long service life

Crane & Material Handling
Cranes, hoists and gantries: shock absorption in custom sizes and stiffness



Empowering Industries with Engineering Solutions

Surlon
Vision | Innovation | Engineering

SEQUOIA SAFETY PRODUCTS PVT LTD

IRIS
EN 15085-2
ISO 9001:2015
ISO 14001:2015

Sequoia Safety pioneers engineering solutions for rail, metro, defence, and industrial sectors, combining advanced technology with a commitment to reliability and safety. Our expertise ensures products that perform under extreme conditions while meeting international quality benchmarks. Guided by continuous innovation, Sequoia strengthens India's Make in India and Atmanirbhar Bharat missions through world-class design and manufacturing excellence.

PANTOGRAPHS

High Reach Speed upto 200 km/hr & working height 3.6 metres

High Speed Speed upto 250 km/hr & working height 2.2 metres

Freight Speed upto 120 km/hr & working height 2.2 metres

ADD & ORD safety features

HYDRAULIC DAMPERS & SHOCK ABSORBERS

Primary and secondary suspension damping for railway, metro and defence vehicles.

ELASTIC RINGS

For electric locomotives.

3RD RAIL & ROCS PROTECTION

Covers for third rail and protection solutions for rigid overhead catenary systems.

CABLE CLEATS & POLYAMIDE LINERS

Secure cable restraint and insulation for electrical safety.

PG CLAMPS

Compression and T-type parallel groove clamps for jumper and electrical connections.

PU COMPONENTS

Rollers, buffers, scraper sheets and custom industrial parts.

WHERE IT'S USED

Railways
Suspension and current collection for mainline and high-speed trains

Metro Systems
Damping, electrical isolation and 3rd rail protection

Defence Mobility
Field-resilient dampers and shock absorbers

Urban Transit & Electrification
Cable safety, ROCS protection and OHE fittings









Empowering Industries with Engineering Solutions

Surlon
Vision | Innovation | Engineering

SURLON ENGINEERING SOLUTIONS PVT LTD

ISO 9001:2015

Surlon Engineering delivers durable and high performing complex assemblies for the transportation, infrastructure and industrial sectors. With advanced CNC machining, welding and metalworking capabilities, we offer end-to-end solutions from prototyping to production meeting stringent dimensional, load-bearing and durability requirements.

CNC Machining • Welding • Fabrication • Assembly • Prototype to Production

OUR PRODUCTS

01

SEMI-PERMANENT COUPLERS

Join vehicles within a fixed trainset, separated only during workshop maintenance.

02

EARTHING DEVICE

Wheelset earthing equipment built to RCF specification EDTS 101, protecting axle bearings from return current.

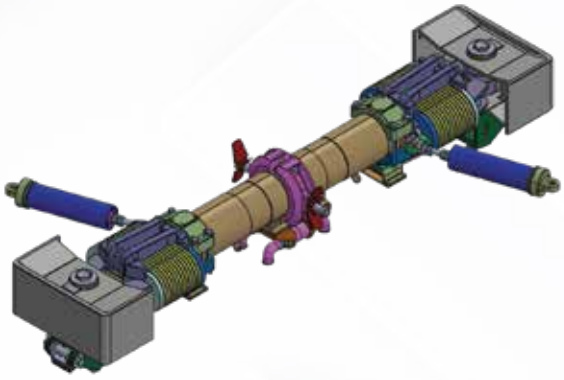
03

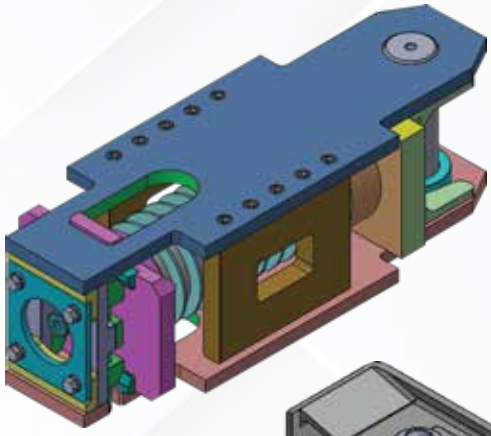
DRAFT GEARS

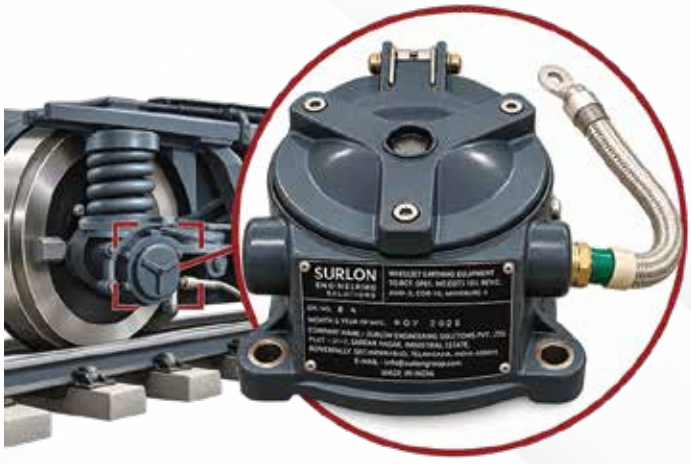
Absorb buff and draft forces between coupled vehicles for a smoother, safer ride.

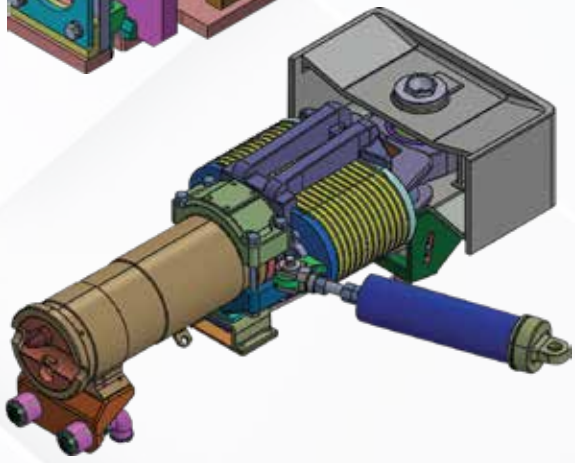
ENGINEERING-LED EXECUTION

Our processes are built around precision, repeatability and performance validation. Every part is supported by 3D modelling, FEA and simulation, GD&T-compliant tolerancing and inspection protocols to ensure application-specific reliability.









Empowering Industries with Engineering Solutions

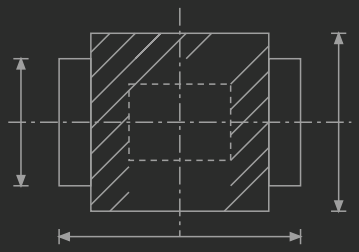
Surlon
Vision | Innovation | Engineering

SURLON PRECISION SOLUTIONS INDIA LTD

ZED BRONZE
EN 9100:2018
ISO 9001:2015
ISO 14001:2015

FORMERLY TATA PRECISION INDUSTRIES (INDIA) LTD

Precision for components where tolerance is critical.



Aerospace-Grade Quality
EN 9100 system with stringent QC and metrology

Clean Assembly
Sub-assemblies built in controlled, clean environments

Design to Delivery
Prototyping, iteration and value engineering

Tata Legacy
Decades of precision manufacturing experience

Surlon Precision Solutions India Ltd. is a trusted name in precision manufacturing, with a legacy that traces back to its origins as Tata Precision Industries (India) Ltd. Known for its strong engineering backbone, the company delivers high-quality, precision-engineered components and assemblies across aerospace, defence and telecommunications. With decades of experience and a sharp focus on consistency and process excellence, Surlon has built a reputation as a dependable manufacturing partner.



WHAT WE MAKE

AEROSPACE

High-tolerance machined components and subassemblies

DEFENCE

Critical components built to defence drawings and inspection requirements

TELECOM & SATELLITE

Precision housings, heat sinks and sub-assemblies

SPECIALISED HIGH-END PRODUCTS

Parts for instrumentation, analytical and process equipment

Empowering Industries with Engineering Solutions

Surlon
Vision | Innovation | Engineering

HUMAN RESOURCES

At Surlon Group, we build more than products. We build people. Initiatives like Connect & Collaborate, an engagement platform, encourage open dialogue and team work while experience driven events help strengthen bonds across teams and locations. High employee satisfaction reflects our ongoing commitment to building a people-first organization.



SUSTAINABILITY

GREEN MANUFACTURING
We focus on energy efficiency, waste reduction, and emissions control in all our production processes.

WATER CONSERVATION
Rainwater harvesting and recycling systems are implemented across facilities to preserve this critical resource.

RENEWABLE ENERGY
We've invested in solar power and other clean energy sources to reduce dependency on non-renewables.

AWARENESS & ENGAGEMENT
We run internal campaigns, training programs, and community initiatives to foster environmental responsibility at every level.

LINKEDIN

SURLON GROUP

SURLON INDIA

BROCHURES

Contact Us

Corporate Office: 49, Sector 155, Noida 201306, India

Reg. Office: 4, Pocket-1, Jasola, New Delhi -110025, India

info@surlongroup.com

www.surlongroup.com

www.linkedin.com/company/surlon-group/

SG0426006

Disclaimer: While information and recommendations are based on reliable experiments and data, accuracy cannot be guaranteed. Our products are sold without a warranty, and customers are advised to conduct tests for suitability. Original product appearance may slightly differ from images. Any dispute is subject to Delhi, India Jurisdiction only.