



# Nitto Denko India Private Limited

***Nitto***

Innovation for Customers

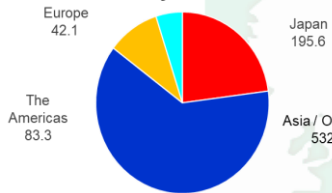
# Nitto at Glance: Transforming Ourselves Constantly

**CELEBRATING the legacy of 104 YEARS....**

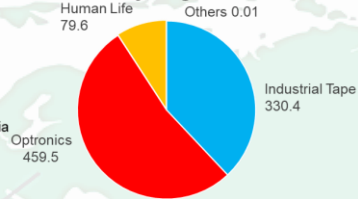
\* As on 31<sup>st</sup> March 2022

## Nitto Group

### By Area



### By Segment



**1918**

Year founded



**¥ 853\***

Billion in sales  
80% is Overseas sales



**101**

Companies  
worldwide



**28,438**

Employees  
worldwide



**13,500**

Products



**70**

Markets



**> 15,000**

Patent families  
granted or in progress

## Nitto India



**2009**



**1.87 BNR\***



**Manesar,  
Haryana**

**Branch locations : Chennai / Ahmedabad / Pune / Bangalore**

**Certifications: IATF / ISO 45001 / ISO 14001**

# Initiatives Contributing to the Environment and Human Life, commitment to ESG.

The Nitto Group has come up with a new recognition scheme for products that are friendly to the environment and human life.

## Environment



Installation of solar panels

Products for increasing efficiency of Solar panels

## Social



VOC free tapes

CO<sub>2</sub> Reduction with light weighting products

## Governance



Abide by law & order

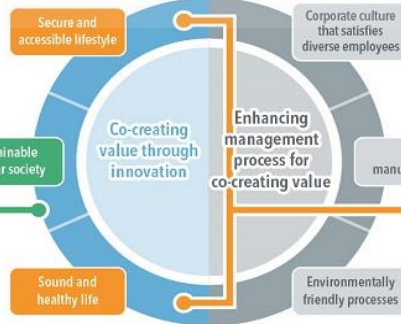
Usage of Env-friendly PNG generators



### PlanetFlags

#### Products contributing to the environment

Certifying products/services that offer value to conservation and improvement of the global environment and the universe throughout the product life cycle



### HumanFlags

#### Products contributing to human life

Certifying products/services that offer value to the well-being and to a peaceful lifestyle in a future society of all



# Innovations For The Green Value Chain

Nitto supports a sustainable energy transition by enhancing the safety and performance of hydrogen applications. We do so with innovative leak detection materials, membranes, materials for electrolyzers and fuel cells.

## Hydrogen Detection Tape



see the leak

tape quickly and permanently changes color



safety

provides an additional safety net for detecting gas leaks



highly sensitive

detects hydrogen leaks that contain as little as 1% H<sub>2</sub> concentration



easy to handle

applies as easily as regular pressure sensitive adhesive tape

## Fuel cell air intake filter



high collection efficiency



high air permeability  
low pressure drop



long-term durability



humidity resistance

## Venting for pressure equalization



proven solution



various interfaces



chemical resistance



dust & water tightness



high air & vapour permeability



long-term reliability

## Desalination Membranes



low energy consumption



consistent operating performance



enabling electrolyzers offshore



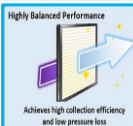
integrated membrane solutions



BEFORE

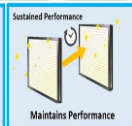


AFTER



Highly Balanced Performance

Achieves high collection efficiency and low pressure loss



Sustained Performance

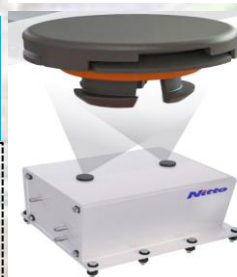
Maintains Performance



UV Resistance

Adapted for UV Sterilization

PTFE porous membrane imparts highly efficient removal of dust particles (PM 2.5) and long-term performance.



Nitto offers fuel cell casing venting solutions in the form of venting caps, able to adjust differential pressure in fuel cell casings.

Integrated membrane solutions (IMS) comprise the entire range of RO, NF, UF and MF membrane technologies. Hydranautics membrane are used in seawater desalination and water treatment.

# Efforts to Environmental task

## Introduction solar power generation equipment to Nitto's plants



## Reduction of Carbon footprint and ESG contribution

NVH Technology  
Light weighting

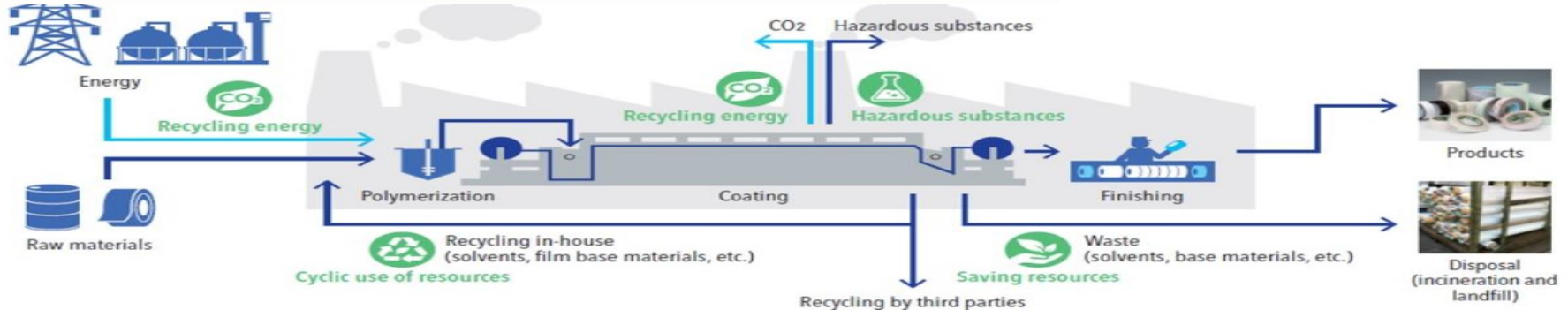
Lesser weight against competition  
Appx. 1.5 to 2.0 KG weight  
reduction/vehicle

Reduction of 1000 Ton- CO<sub>2</sub>  
emission /Year\*\*

## Introduction of Low VOC and Phthalate free Tapes



## Nitto Group's environmental initiatives in its manufacturing process



# Nitto Products and Applications in EV's :



- Barcode Label DURATAK
- Double Coated Tapes
- Pressure Dissipation Z-PLUG S
- Vibration Damping Material LEGELOTIX
- Products for Power electronics
- Sealing Material EPT Sealer
- Conformal Coating ELEPCOAT

- Barcode Label DURATAK
- Thin Cushioning Material : SCF
- Products for Battery
- Thermal Conductive Sheets : HT Sheet
- Pressure Dissipation Z-PLUG S
- Sealing Material EPT Sealer
- Thermal Conductive Tapes

- Insulation Coating Varnish
- Insulation Paper
- Products for Motor
- Sealing Material EPT Sealer
- Pressure Dissipation Z-PLUG S

- Adhesive Transfer Tapes
- Insulation Tape
- Products for Fixation
- Low Voc DC Tapes
- Acrylic Foam Tapes
- PET Tapes
- Thermal Conductive Tapes



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