



# Atlas Copco Hydrogen Compressors

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General Manager  
Compressor Technique India





# This is the Atlas Copco Group



Customers in more than **180** countries



**49 000** employees in **70** countries



Established in **1873** Stockholm, Sweden



Turnover of **13** BEUR



# Atlas Copco Group

BOARD OF DIRECTORS

PRESIDENT AND CEO

GROUP MANAGEMENT



## COMPRESSOR TECHNIQUE

- Compressor Technique Service
- Industrial Air
- Oil-free Air
- Professional Air
- Gas and Process
- Medical Gas Solutions
- Airtec



## VACUUM TECHNIQUE

- Vacuum Technique Service
- Semiconductor Service
- Semiconductor
- Semiconductor Chamber Solutions
- Scientific Vacuum
- Industrial Vacuum



## INDUSTRIAL TECHNIQUE

- Industrial Technique Service
- MVI Tools and Assembly Systems
- General Industry Tools and Assembly Systems
- Chicago Pneumatic Tools
- Industrial Assembly Solutions
- Machine Vision Solutions



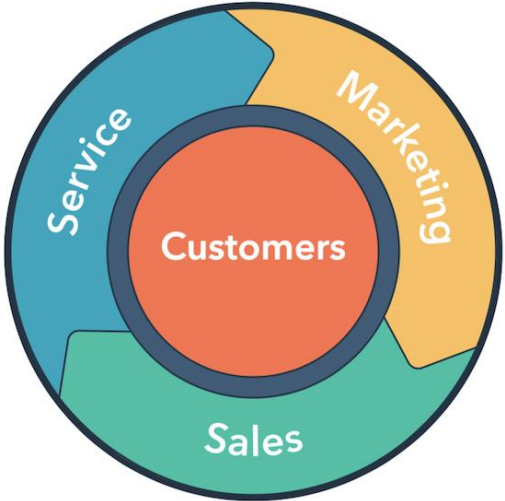
## POWER TECHNIQUE



- Power Technique Service
- Specialty Rental
- Portable Air
- Power and Flow

# A very global presence



# Atlas Copco Compressor Technique India

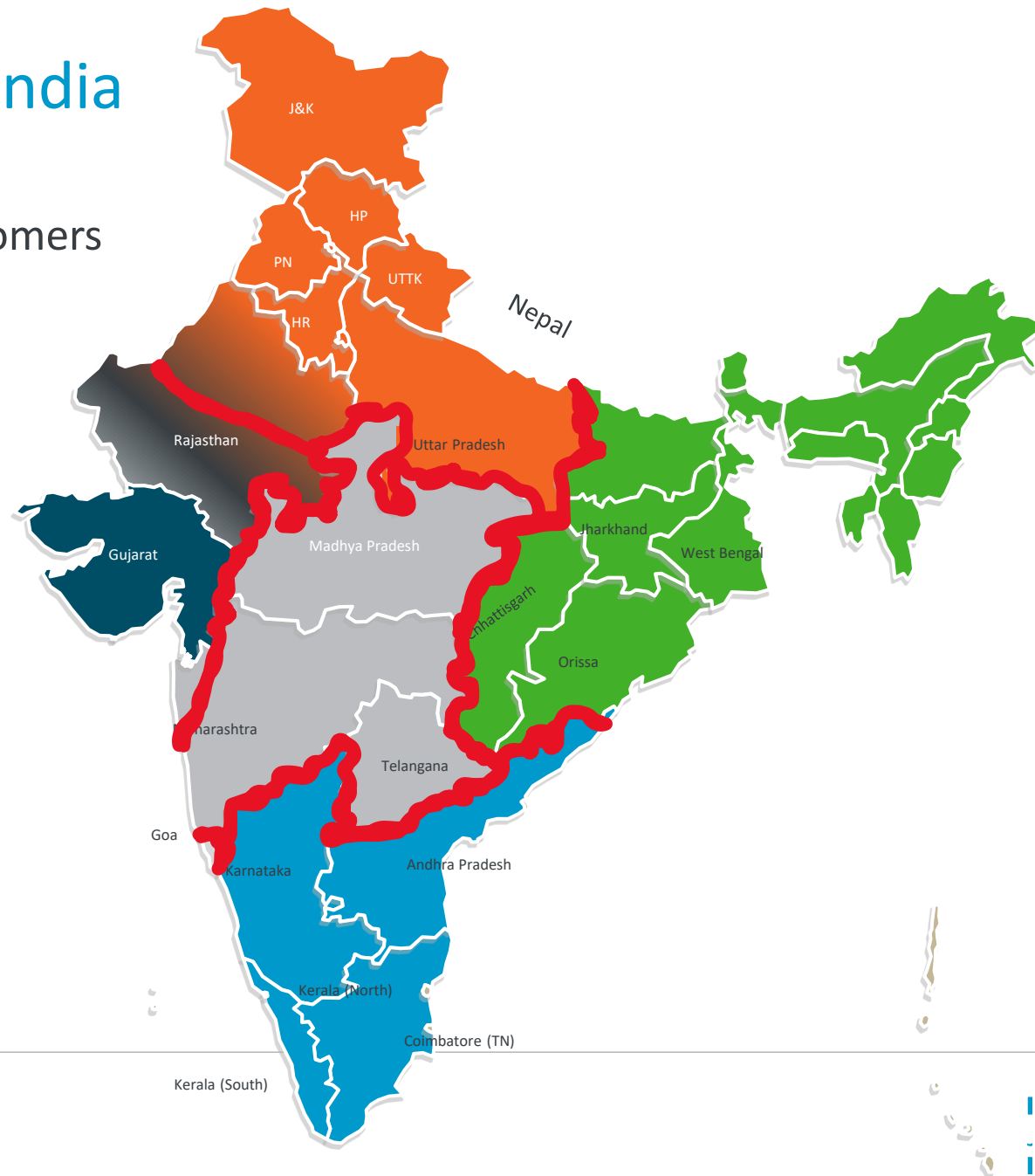


	Atlas Copco Group	Atlas Copco CT BA	Atlas Copco CT India
 Employees	49,000	17,350	509
 Annual revenues	€13 Billion	€5.7 Billion	1,800 crore INR (€198 Million)



# Atlas Copco Customer Center India

- Distributed structure to serve all our customers
- 5 Zones
- 10 offices
- 509 employees
- 4 Business Lines Managers
- 20 Zonal Managers
- 193 service engineers
- 150 sales engineers
- 10 energy consultants
- 90+ dealers
  - 800+ indirect sales and service engineers



# Challenges and Opportunities

## The Challenge



GLOBAL WARMING



RIISING ENERGY COSTS

## The Opportunity



CLEAN ENERGY



CLEAN MOBILITY



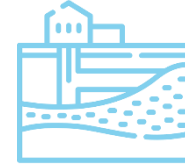
# Where does Hydrogen come from?



Brown hydrogen is produced from fossil fuels such as steam methane reformation of natural gas and coal gasification, and where the CO<sub>2</sub> produced is released into the atmosphere.



Grey hydrogen is produced from industrial processes such as a co-product.



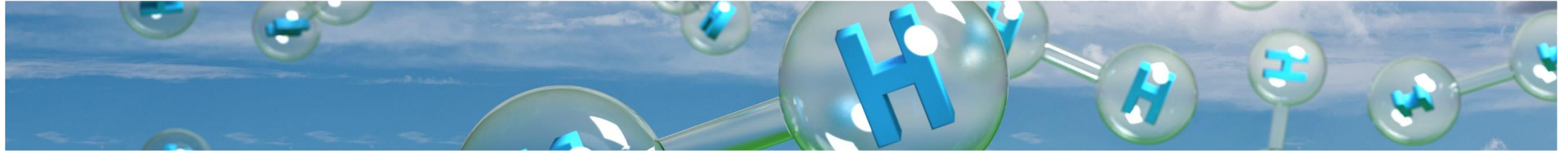
Blue hydrogen is produced from fossil fuels with the CO<sub>2</sub> emissions produced captured and stored underground (CCS). Blue hydrogen is mainly derived from splitting natural gas into hydrogen and CO<sub>2</sub> through steam methane reformation.












Green hydrogen is produced from renewable energy sources, most commonly through electrolysis, which splits water into hydrogen and oxygen. Green hydrogen does not use fossil fuels and produces zero or very low CO<sub>2</sub>.



# Atlas Copco Hydrogen Portfolio



	Technologies	Power/Pressure	Treatment & Ancillaries
100% Oil free	 H2 Reciprocating   Hydraulic Booster	 Up to 560 kW  1 bar-1000 bar	 Filters   Chillers H2 Dryers
Oil lubricated	 Trunk piston compressors	Power/Pressure  Up to 110 kW  18 bar - 350 bar	

# The H2P Compressor





# Smart H2 Solutions

## The right solution for every system

- Easily integrated into all existing electrolyser **1** technologies
- Modular design for easy installations
- Control integration for the complete compression system
- We do the dryers **2** too!

