

Atmospower





Company Overview



AtmosPower

- ◆ AtmosPower Pvt. Ltd. was established in 2010, in the city of Ahmedabad, Gujarat, India.
- ◆ It is a part of the Mazda Limited group and has multiple manufacturing facilities in Ahmedabad making products such as Turbine By-Pass valves, crystallizers, surface condensers, evaporators, vacuum systems, and gas separation systems.
- ◆ Under the guidance of TUV Rhineland's expert audit and inspection team (Notified body: 0035), AtmosPower can manufacture in compliance with ASME, PED, ATEX, SIL, and any other European & North American manufacturing directive.
- ◆ After installing more than **120 BioGas to BioCNG plants**, Atmospower has become the unparalleled leader of the Asian Biogas Upgradation market.
- ◆ Based on its Patented Technology, it the only Indian Company that can manufacture upgradation systems capable of offering 98+% methane purity with **methane losses of <1%**

Indian & European Patents

	 भारत सरकार GOVERNMENT OF INDIA पेटेंट कार्यालय THE PATENT OFFICE पेटेंट प्रमाणपत्र PATENT CERTIFICATE (Rule 74 Of The Patents Rules)	क्रमांक : 022107648 SL No : 
पेटेंट सं. / Patent No.	331895	
आवेदन सं. / Application No.	201921019957	
फाइल करने की तारीख / Date of Filing	20/05/2019	
पेटेंटी / Patentee	Atmos Power Private Limited	
<p>प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित A BIOGAS UPGRADATION SYSTEM WITH REDUCED METHANE SLIPPAGE नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख 20th day of May 2019 से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।</p> <p>It is hereby certified that a patent has been granted to the patentee for an invention entitled A BIOGAS UPGRADATION SYSTEM WITH REDUCED METHANE SLIPPAGE as disclosed in the above mentioned application for the term of 20 years from the 20th day of May 2019 in accordance with the provisions of the Patents Act, 1970.</p>		
		
अनुदान की तारीख : 13/02/2020 Date of Grant :		पेटेंट नियंत्रक Controller of Patent
<p>टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 20th day of May 2021 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी। Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 20th day of May 2021 and on the same day in every year thereafter.</p>		

	EUROPÄISCHES PATENT EUROPEAN PATENT BREVET EUROPÉEN
<p>Hiermit wird bescheinigt, dass für die in der Patentschrift beschriebene Erfindung ein europäisches Patent für die in der Patentschrift bezeichneten Vertragsstaaten erteilt worden ist.</p> <p>It is hereby certified that a European patent has been granted in respect of the invention described in the patent specification for the Contracting States designated in the specification.</p> <p>Il est certifié par la présente qu'un brevet européen a été décerné pour l'invention décrite dans le fascicule de brevet, pour les États contractants désignés dans le fascicule.</p>	
Europäisches Patent Nr. European patent No. Brevet européen n°	Tag der Bekanntmachung des Erweises auf die Erteilung des europäischen Patents Date of publication of the mention of the grant of the European patent Date de la publication de la mention de la délivrance du brevet européen
EP3972720	01.05.2024
A BIOGAS UPGRADATION SYSTEM WITH REDUCED METHANE SLIPPAGE	
Patentinhaber Proprietor(s) of the patent Titulaire(s) du brevet	
Atmos Power Pvt. Ltd. C/1, 39/3, Phase III, GIDC, Naroda Ahmedabad Gujarat 382330 IN	
 António Campinos Präsident des Europäischen Patentamts President of the European Patent Office Président de l'Office européen des brevets München, den Munich, Munich, le 01.05.2024	
URKUNDE CERTIFICATE CERTIFICAT	
	

Biogas Upgradation Systems



- AtmosPower's Biogas Upgradation systems can offer methane purity of up to 99.5% with a methane recovery of >99%
- Flow Rates: 50 Nm³/Hour to 10,000 Nm³/Hour
- 120+ installations in compliance with BIS 16087

Founders



Navroz H. Tarapore



Brij Raj Singh

Brij Raj Singh



- **Mr. Brij Raj Singh** is a chemical Engineer with more than 35 years of experience in Designing, Engineering, Manufacturing & Commissioning of gas generation systems throughout Asia & Africa.
- With a vast experience in producing Hydrogen, Nitrogen, Oxygen & Bio-Methane, Mr. Singh co-founded AtmosPower with the aim to manufacture the most cost efficient gas generation systems in the market today.
- He has set up more than 120 Biogas to Bio-CNG plants in Asia and is a renowned authority in the field of Biogas, Natural Gas & Syngas Upgradation.



Navroz H. Tarapore

- **Mr. Navroz H. Tarapore** has been in the Engineering field for the past 45 years. He owns multiple factories manufacturing a vast array of engineering equipment based on international standards.
- In 1992, Mr. Tarapore started H.T. Engineering, a company with expertise in high precision fabrication, including equipment such as detonators for Rockets & Missiles for the Indian Ministry of Defence.
- In 2010 he cofounded AtmosPower, which is renowned as one of the top Green Energy companies in India.
- In 2015, he cofounded Mecaster Flow Solutions, which manufactures Turbine Bypass Valves, Pressure Reducing Stations, Desuperheaters, etc.
- Mr. Tarapore has also served as the Chairman for the Gujarat Chamber of Commerce's MSME Committee.

Some of our Esteemed Partners



Product List

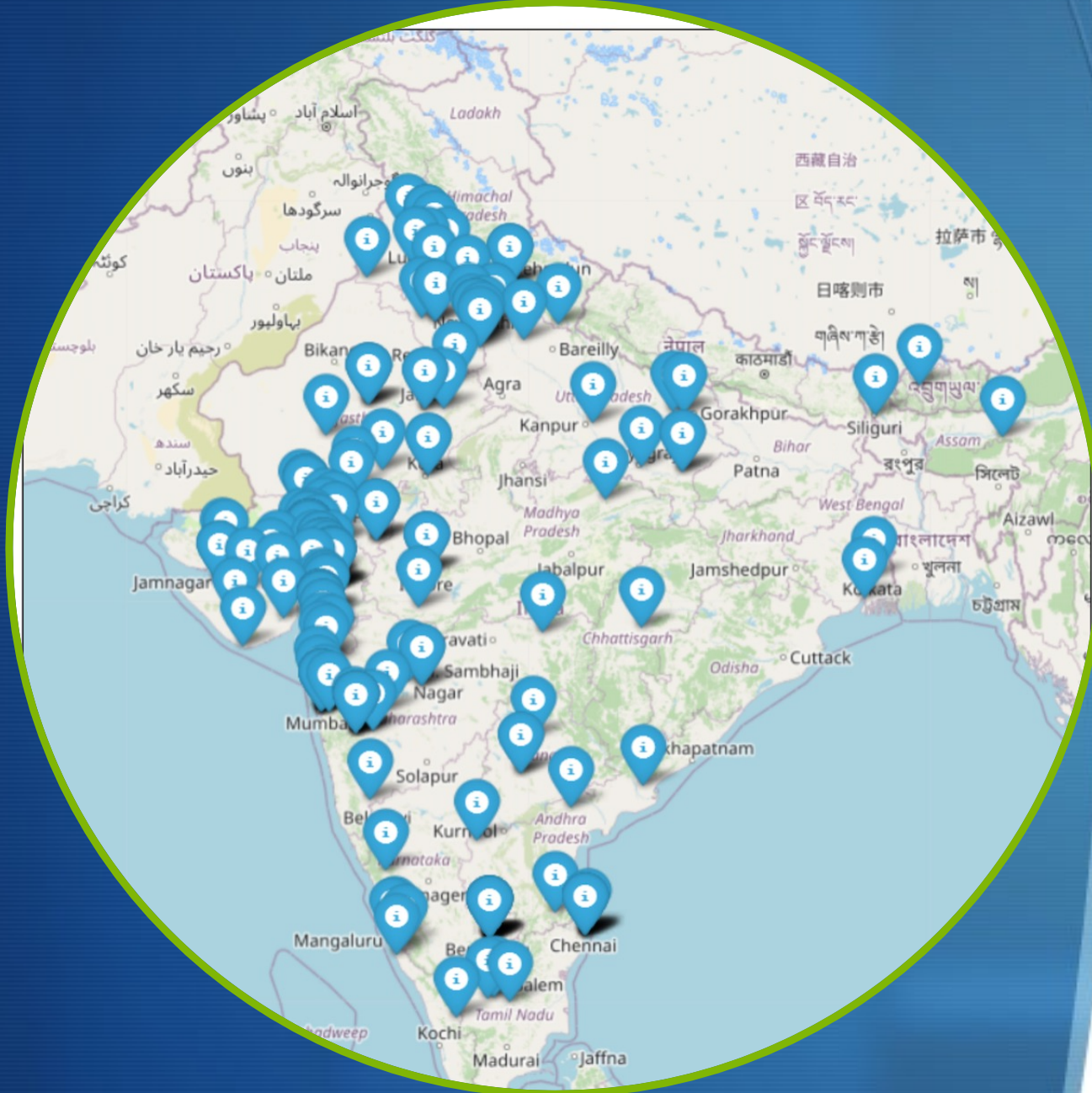
- ❖ PSA & VPSA Oxygen Generation Plants
- ❖ Turnkey Bio-Gas to Bio-CNG Plants
- ❖ VPSA Biogas Purification/Upgradation Plants
- ❖ Natural Gas Dehydration & Upgradation Plants
- ❖ Syngas & Producer Gas Upgradation Plants
- ❖ PSA Nitrogen Generation Plants.
- ❖ Air, Gas & Solvent Dryers
- ❖ Hydrogen Gas Generation plants through steam reforming of natural gas & Bio-CNG
- ❖ Hydrogen Gas Generation plants using water electrolysis

All products can be manufactured under
PED/ASME Directives.





More than
350
Installations
Across India



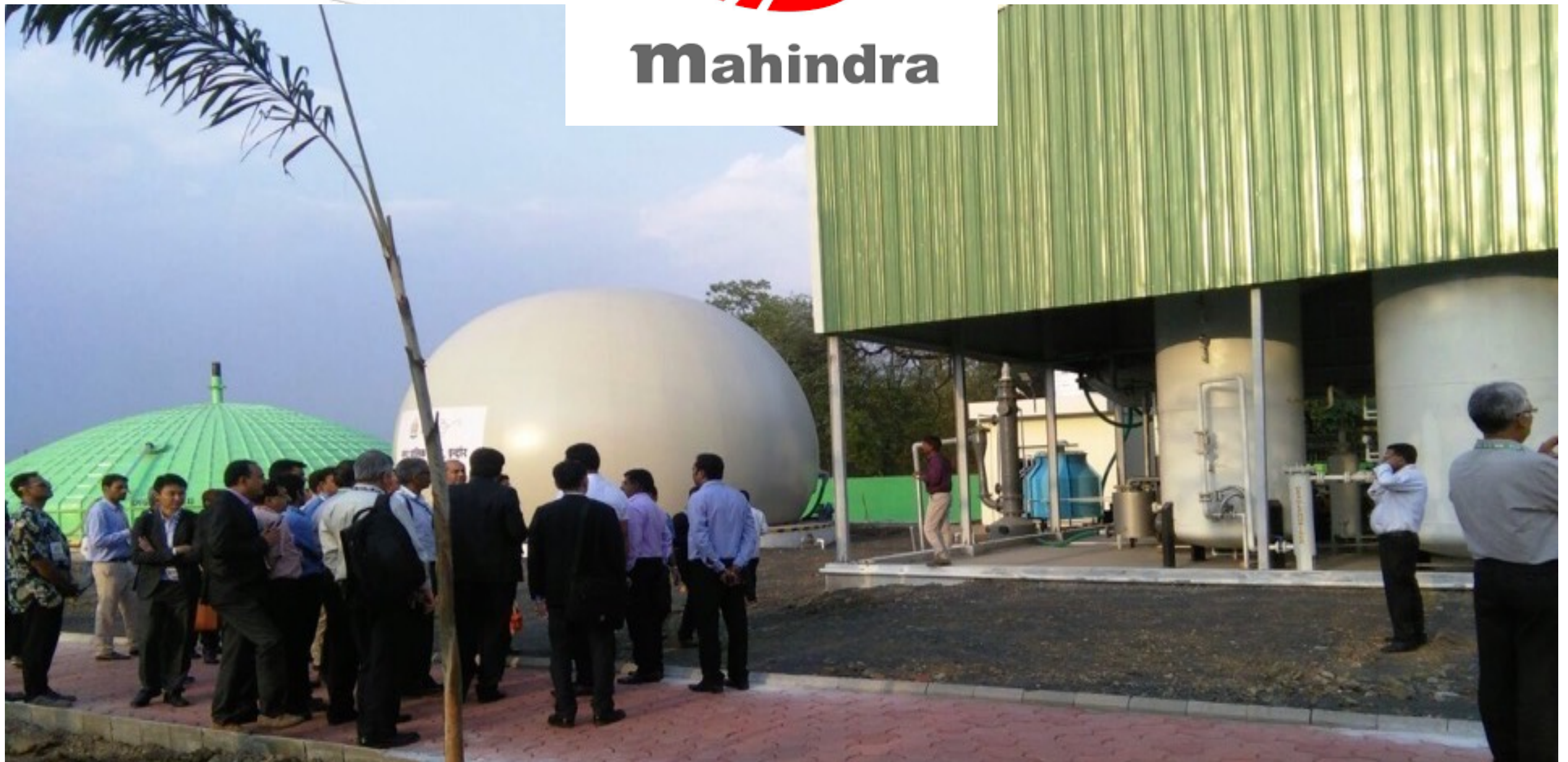
AtmosPower's Biogas to Bio-CNG Plant at Amul Dairy



AtmosPower's Biogas to Bio-CNG Plant at Banas Dairy



AtmosPower's Biogas to Bio-CNG Plant at Indore Smart City



India's First Landfill Gas Upgradation Plant in Hyderabad Supplied by AtmosPower



AtmosPower's 10.5 TPD Biogas Upgradation System for IndianOil Adani Ventures



AtmosPower's 15 TPD Biogas Upgradation System for Ever Enviro at Punjab



AtmosPower's 20 TPD Biogas Upgradation System for Reliance at Nagpur



2400m³/hr Biogas Upgradation System
For Reliance's 20 TPD CBG Project



PSA Nitrogen



- AtmosPower's Nitrogen Gas Generation plants can offer purity levels up to 99.99999%
- Flow rates: 5m³/Hour - 10,000m³/Hour
- 20+ Installations

PSA & VPSA Oxygen



- AtmosPower's Oxygen gas generation plants can offer purity levels up to 95%
- Flow rates: 3 m³/Hour to 10,000 m³/Hour
- 175+ Installations

A Quick Glance



Manufacturing Capability

- AtmosPower's team consists of industry veterans with expertise in Designing, Manufacturing & Commissioning of gas plants & gas separation systems throughout Asia.
- Under the guidance of TÜV Rheinland's audit and inspection team (Notified body: 0035) based in Ahmedabad, AtmosPower can manufacture in compliance with PED, ATEX, SIL, and any other European & North American manufacturing directive.
- With 5 manufacturing facilities, AtmosPower can Manufacture more than 300 systems a year. **During the Covid Pandemic AtmosPower Manufactured a record 160 PSA Medical Oxygen plants in 120 Days.**
- In order to offer the best performance and ease to clients, AtmosPower also offers operation and maintenance contracts for all its plants.
- Atmos also owns and operates a Compressed Biogas Plant in India.

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