



# VEOLIA in INDIA

*Corporate Presentation - September 2020*



# SUMMARY |

1. | The essentials
2. | Our Commitments to Sustainable Development
3. | Veolia in INDIA







# The essentials of Veolia

Our mission: “Resourcing the world”

Our 3 businesses

Our key figures for 2019

Our worldwide presence

Veolia’s purpose

Our main references in 2019

Our solutions





## Our mission : “Resourcing the world”

### IMPROVING ACCESS TO RESOURCES

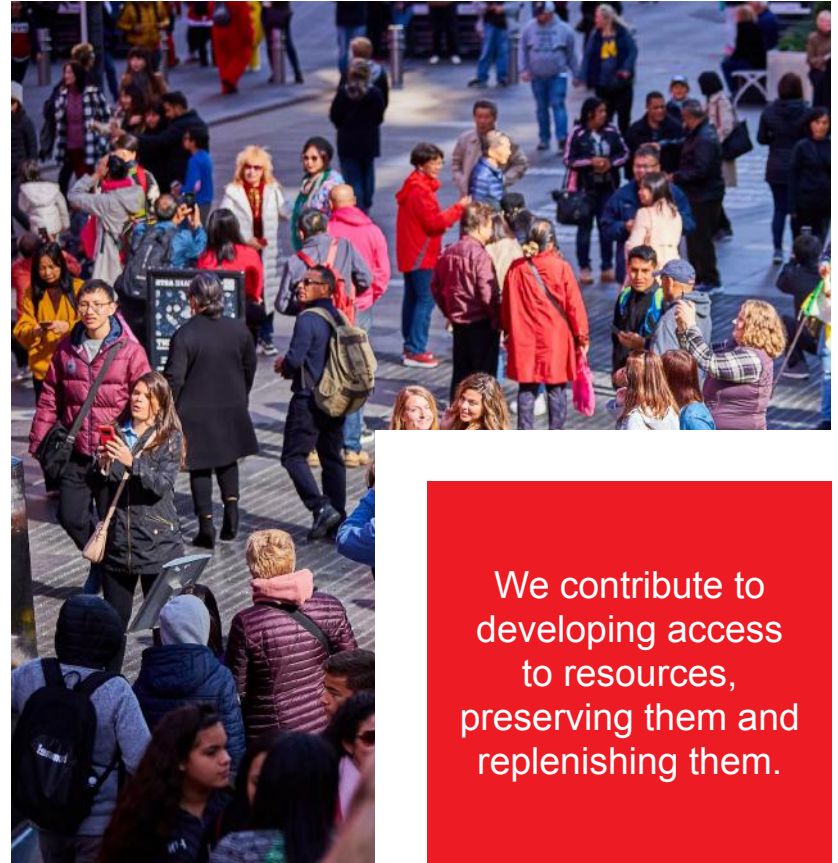
Veolia offers operational solutions that consume fewer environmental resources and are more economically efficient, so as to expand both the potential and the accessibility of the resources available.

### PRESERVING RESOURCES

Veolia develops solutions to conserve resources and optimize their use, while protecting their quality and efficiency throughout the usage cycle.

### REPLENISHING RESOURCES

Veolia provides solutions for creating new “secondary” resources that will gradually offset the increasing scarcity of natural “primary” resources, generating new opportunities for social and economic development that protect the environment.



We contribute to developing access to resources, preserving them and replenishing them.



## Our 3 businesses

Veolia designs and deploys solutions for **water, waste** and **energy** management, participating in the sustainable development of cities and industries.



### | WATER

Management of the global water cycle, from production and distribution of drinking water to the collection, treatment and recycling of wastewater.



### | WASTE

Liquid and solid non-hazardous and hazardous waste management. Our expertise covers the entire waste life cycle from collection to recycling, leading to the final recovery of waste as materials or energy.



### | ENERGY

Energy efficiency, efficient management of heating and cooling networks, green energy production.





## Our key figures for 2019



### WATER

**98 million** people supplied with safe drinking water

**67 million** people connected to wastewater systems

**3,548** drinking water production plants managed

**2,835** wastewater treatment plants managed



### WASTE

**42 million** people provided with collection services on behalf of municipalities

**50 million** metric tons of treated waste

**519,046** business clients

**675** waste processing facilities operated



### ENERGY

**41 million** MWh produced

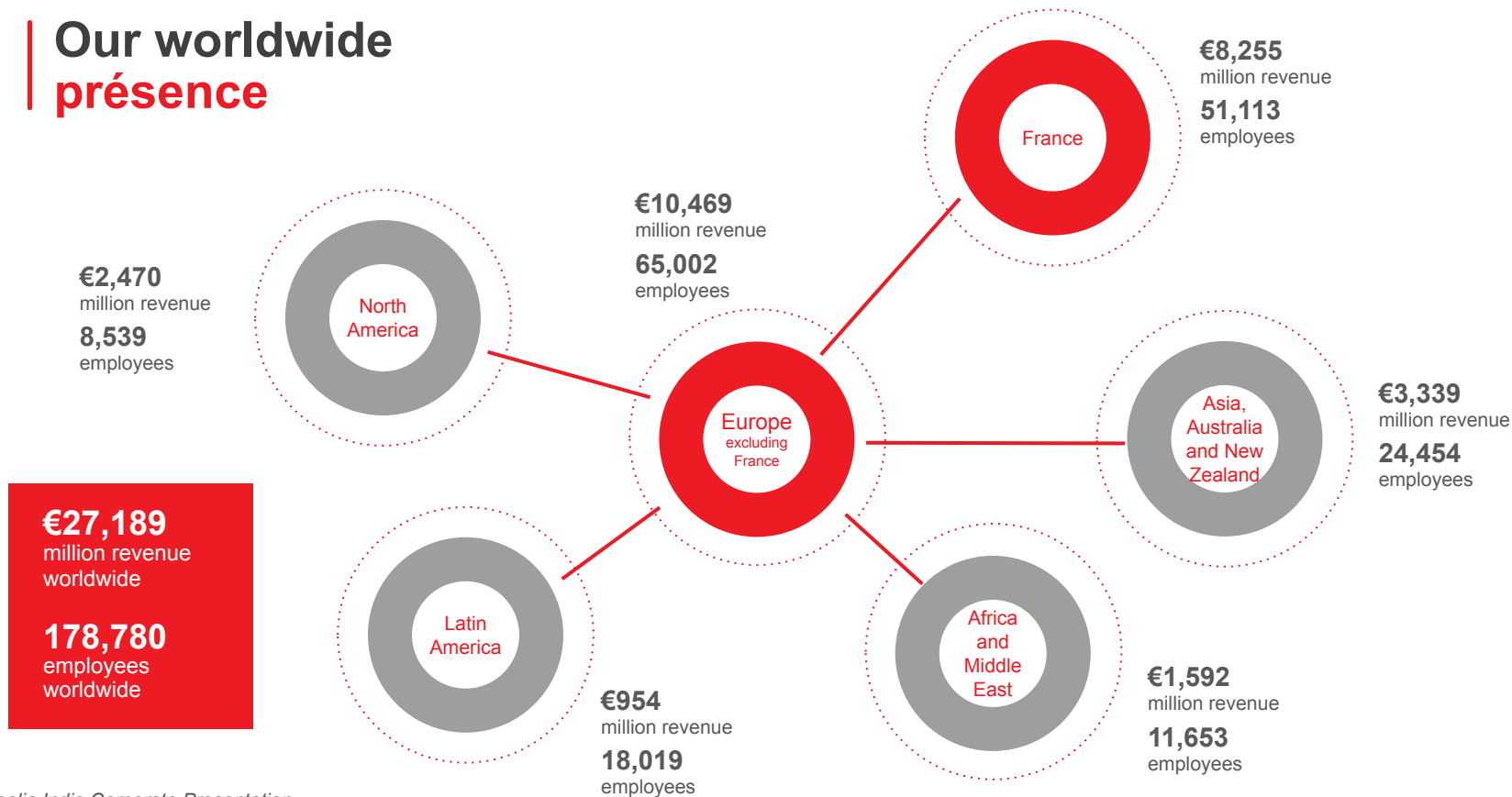
**45,097** thermal installations managed

**2,357** industrial sites managed

**591** heating and cooling networks managed



## Our worldwide présence





## Veolia's purpose

The result of 160 years of history, Veolia's Purpose is to **“Contribute to human progress”**.

It is in line with its **“Resourcing the World”** mission statement.

It states the fundamental way in which Veolia will act.

It is both the direction in which the Group is heading and a means to give its actions a firmer **long-term** foundation.

**All Veolia's stakeholders** are being informed of its Purpose – whether employees, customers, suppliers, shareholders, partners or the territories where it operates – so that they know what it means and can contribute to its practical application.







# Our purpose : a shared approach to progress

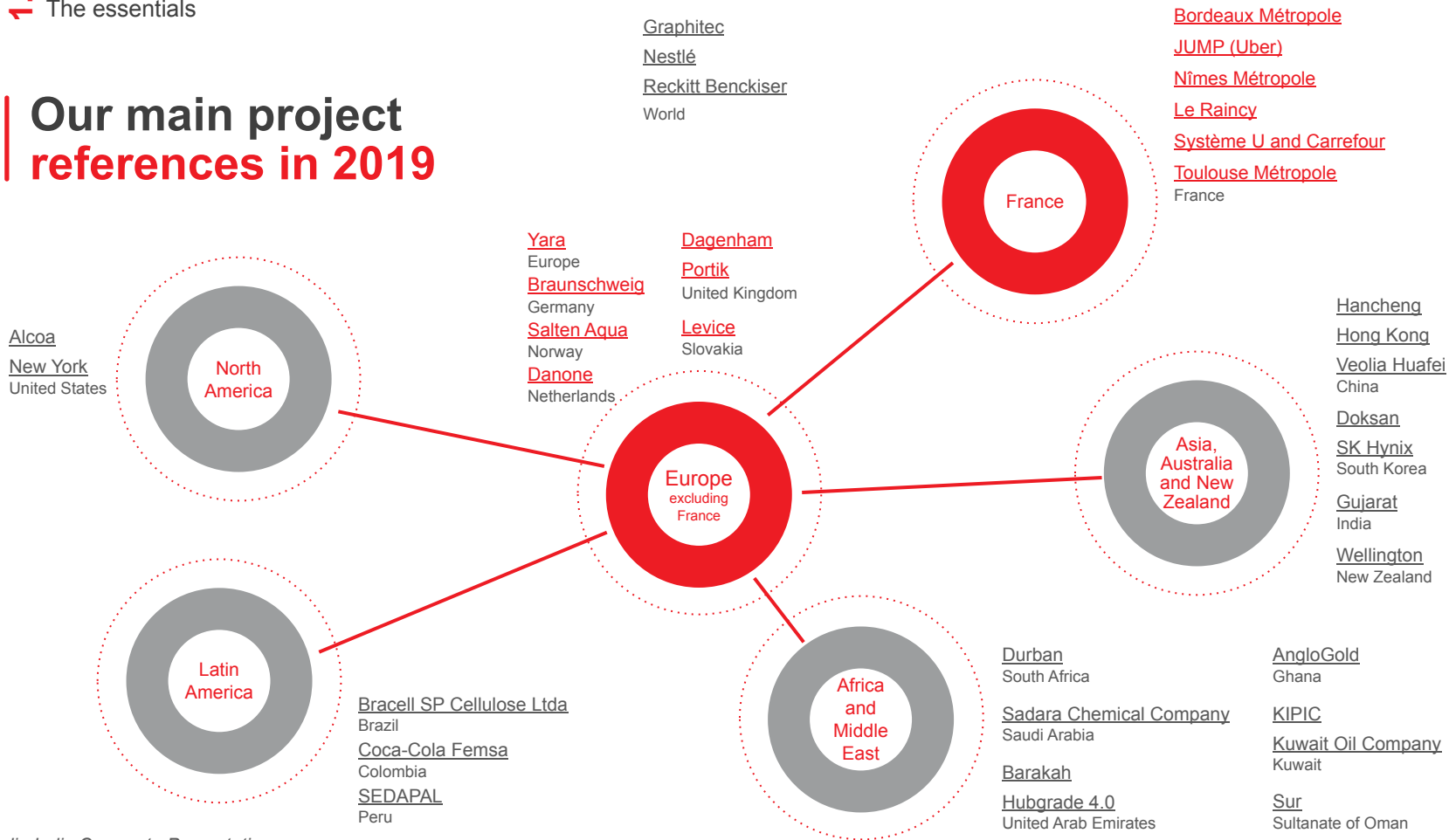
A founding principle designed for the long term, Veolia's Purpose is a shared progress initiative involving all the company's employees undertaken for the benefit of all its stakeholders. It is applied through Veolia's Impact 2023 strategic program:

- **Veolia is committed to multifaceted performance**, applying the same emphasis and high standards to our various performances, which complement one another and form a virtuous circle.
- **Veolia has committed to 18 indicators** that cover these 5 aspects: they will be measured regularly by an independent body and serve as the basis for the variable compensation awarded to the company's senior executives.



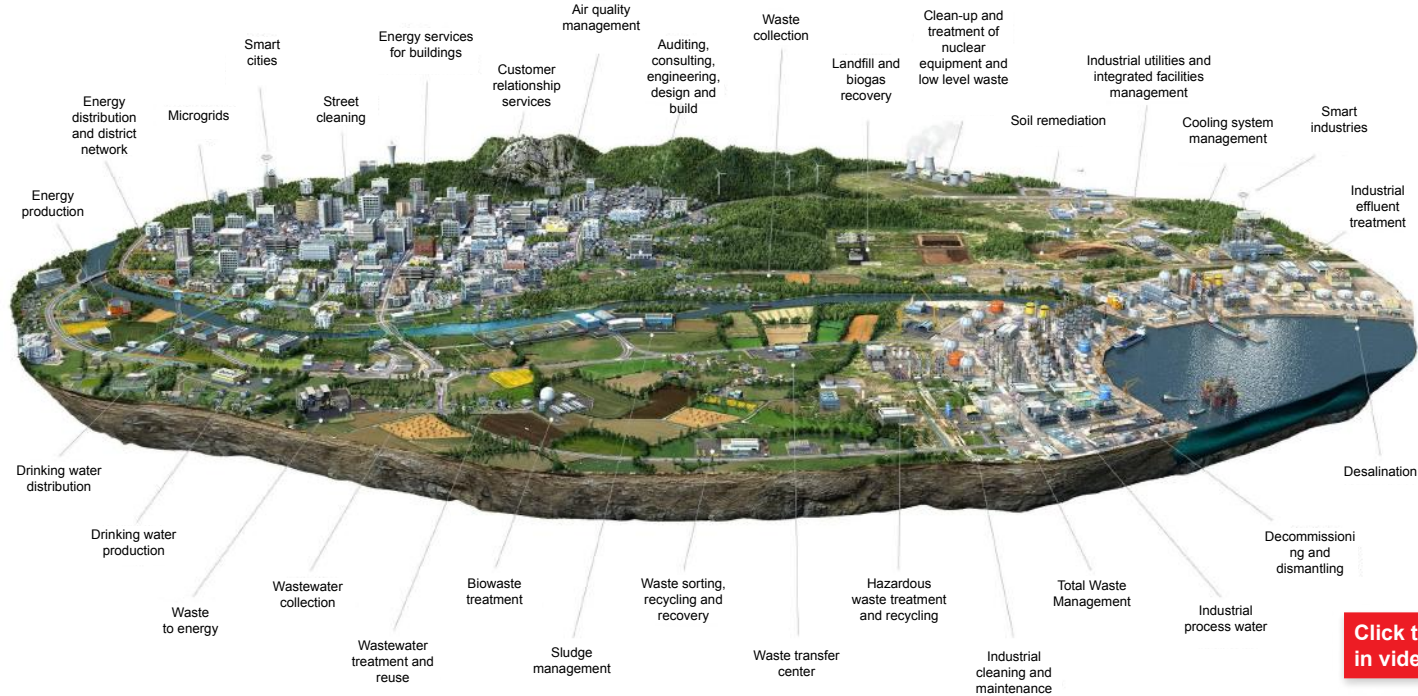


# Our main project references in 2019





# Our solutions for municipalities and industries



[Click to see our solutions in video >](#)







2.

## Our commitments to sustainable development

9 CSR commitments



# Veolia

## 9 CSR commitments

Veolia's approach to social, environmental and societal responsibility is an integral part of its strategy, business model and durability. Its frame of reference is the United Nations Sustainable Development Goals and it is guided by its 9 sustainable development commitments. These commitments apply to all the Group's activities in all countries and to all its employees. The aim is to achieve the ambitious goals that have been set for 2020.

### Resourcing the planet

- 1. Sustainably manage natural resources by encouraging the circular economy
- 2. Contribute to combating climate change
- 3. Conserve and restore biodiversity

### Resourcing the regions

- 4. Build new models for relations and value creation with our stakeholders
- 5. Contribute to local development
- 6. Supply and maintain services crucial to health and human development

### Veolia's people

- 7. Guarantee a safe and healthy work environment
- 8. Encourage each employee's professional development and commitment
- 9. Guarantee that diversity and fundamental human and social rights are respected within the company







# Veolia in INDIA

[Our Presence in India](#)

[History of Veolia India](#)

[Veolia India Overview](#)

[Our Core Expertise](#)


[Our references in India](#)

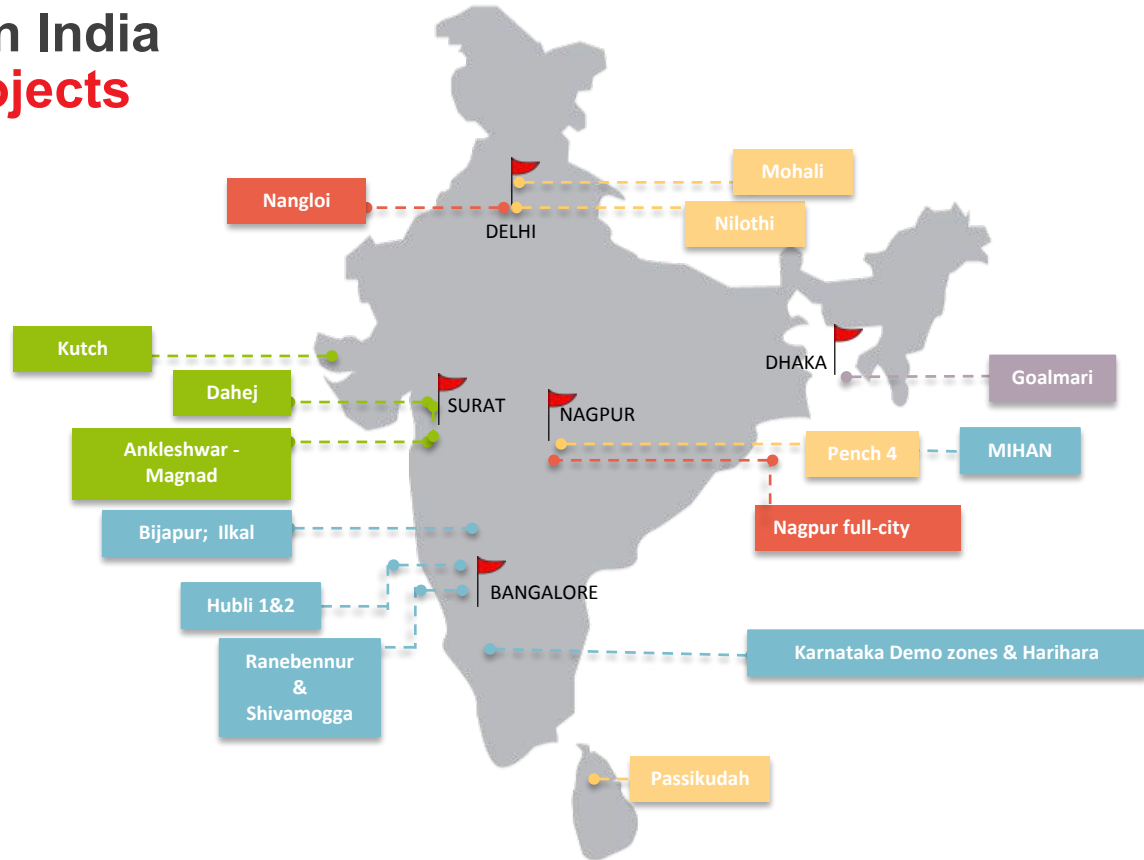
[Occupational Health & Safety](#)





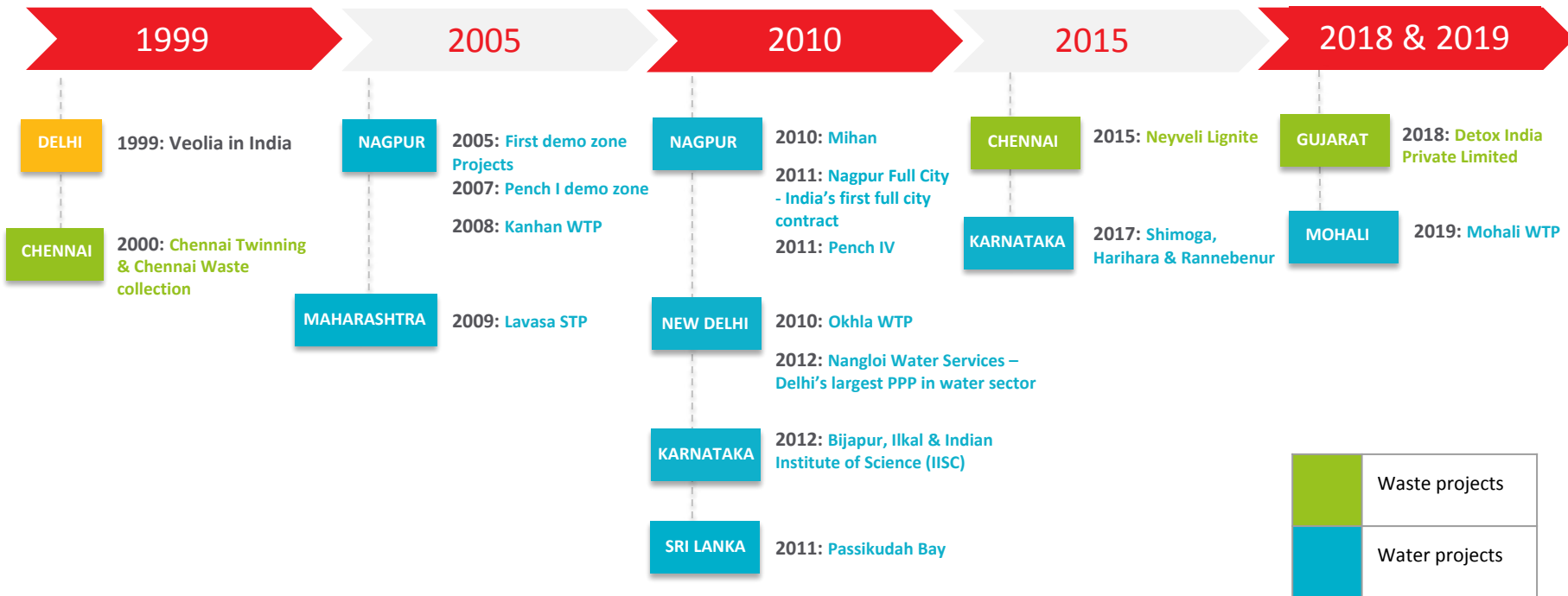
# Our presence in India Offices and Projects

-  Veolia offices
-  Water DBO
-  Water Concession
-  Water Performance
-  Industrial Waste
-  Social Business





# History of Veolia in India





## Veolia in India Overview

Veolia has been present in India for **almost 20 years**  
Veolia manages water and wastewater services for **public authorities with a focus on 24/7 and safe water for all**

Veolia provides an array of solutions in **water, waste and energy for its industrial clients**



### India Key Figures



#### WATER

**5 Million** People supplied with drinking water

**1000 MLD** water treated and produced per day

**90 MLD** Sewage treated per day



#### WASTE

**1000 MLD** Industrial Wastewater treated per day

**36,000 MT** Hazardous waste incinerated per annum

**18 MMT** Total landfill capacity





# Area of core expertise

## Access to water and sanitation



Construction and O&M  
Water Treatment Plants



Construction and O&M  
Sewage Treatment Plants



Managing bills, collection  
and customer management



Network and distribution  
management



Construction and O&M  
Desalination Plants





# Area of core expertise

## Liquid and hazardous waste treatment and valorization



Hazardous Waste Landfilling and Pre-processing



Hazardous Waste Incineration



Industrial Wastewater Treatment  
Zero Liquid Discharge



# Liquid and Hazardous Waste Treatment and Valorization



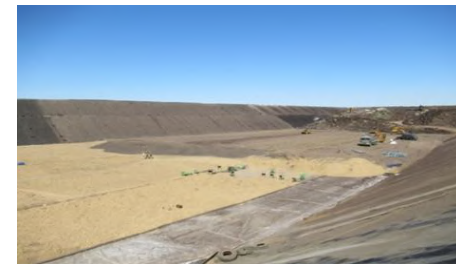


# Detox India Private Limited

## Hazardous waste treatment

On October 2018, Veolia India closed the acquisition of four Hazardous Waste Treatment facilities coming from Detox Group in Gujarat under a newly created venture: **Detox India Pvt. Ltd.** **Veolia owns 70% of the shares of this new venture.**

Detox India Pvt. Ltd provides Veolia with differentiated services offering in a key industrial state of India and will act as a platform for Veolia India to provide other services to industrial clients while installing its expertise in Hazardous Waste Management.







# ANKLESHWAR

## Zero Liquid Discharge Industrial Wastewater Treatment Facility

- | **Plant capacity** - 3 Million litres per day; current phase 1 Million litres per day
- | **Start of operations** - June 2016
- **Gujarat's first common Zero Liquid Discharge facility.** This cost efficient facility was established to address the scientific and environmental friendly mode of disposal of pollutants from wastewater & recovery of water for industrial use
- **Almost 50% of the total power consumption is produced in-house and 45% of treated wastewater shall be recycled and reused**





# DAHEJ Hazardous Waste Incinerators

Plant capacity - 36,000 tons per annum (2 lines)

Start of operations - April 2014

- Dahej is located on the South-West coast of Gujarat in the Bharuch district. It is a special economic area for petrochemicals.
- This **Integrated Common Incineration Facility** is capable of handling all physical forms of waste and has a strong Industrial customer base.





## KUTCH and MAGNAD Hazardous Waste Landfill

The **Kutch pre-processing facility** and Landfill is a secured landfill facility that supports the Mundra/ Kandla Industrial belts.

- | **Landfill capacity** - 3 Million metric tons
- | **Start of operations** - November 2008

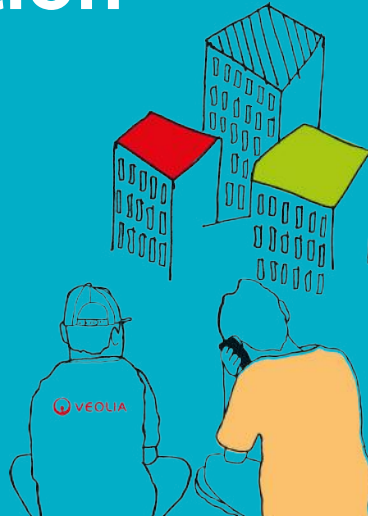


The **Magnad hazardous waste landfill** will be the biggest Hazardous Waste landfill in India. The operations for this landfill will start from the first quarter of 2020.

- | **Landfill capacity** - 15 Million metric tons
- | **Start of operations** - 2020



# Access to Water and Sanitation





## KARNATAKA - Bijapur & Ilkal

### Performance based management contract



Veolia was awarded the Bijapur and Ilkal contract to provide world-leading standards in water services.

The main objective of both the contracts was to demonstrate the feasibility and sustainability of continuous safe water supply. Along with construction of 24/7 water supply network and O&M of the entire water supply system, Veolia also revolutionized the customer services.

#### OUR SOLUTIONS & IMPACT

- Construction & rehabilitation of the networks
- Reduction of operating costs
- Extending the life of the networks
- Water demand management

#### KEY FIGURES

- Population served: **78,000** (Bijapur) / **111,049** (Ilkal)
- Network Length: **129 km** (Bijapur) / **129.06 km** (Ilkal)



## KARNATAKA - Harihara

# Performance based management contract



Harihara City Municipal Council (HCMC) along with Karnataka Urban Infrastructure Development and Finance Corporation (KUIDFC) has selected Veolia India to construct distribution network and provide 24X7 water supply services to the citizens of Harihara.

After construction responsible for operation and maintenance of complete water supply scheme from source to end user . This 10 years contract was awarded to Veolia India on September 01, 2017.

### SCOPE OF WORK

- Construction of about **180 Km length of distribution network**
- Installing about **14000 water connections**
- **Water billing and collection**
- Round the **clock customer care management**



## KARNATAKA - Ranebennur

### Performance based management contract



Ranebennur City Municipal Council (RCMC) along with Karnataka Urban Infrastructure Development and Finance Corporation (KUIDFC) has selected Veolia India to construct WTP (17 MLD) and distribution network along with providing 24X7 water supply services to the citizens of Ranebennur. Awarded to Veolia India in September 2017, it is a 10.6 years contract with 2.6 years of construction and 8 years of O&M

After construction responsible for operation and maintenance of complete water supply scheme from source to end user

#### SCOPE OF WORK

- **Distribution network of 310Km** of HDPE pipelines
- 24X7 water supply to **150,000 citizens**
- **Water billing and collection**
- Round the clock **customer care** management



## KARNATAKA - Shimoga

### Performance based management contract



Karnataka Urban Water Supply and Drainage Board (KUWS&DB), Bangalore on behalf of Shimoga City Corporation has selected Veolia India for providing continuous and pressurized 24X7 water supply distribution system to the entire city.

This six year contract (3 years of construction and 3 years of O&M) was awarded to Veolia India on August 21, 2017

#### SCOPE OF WORK

- Construction of about **630 Km length of distribution network**
- Installing around **80,000 water connection networks**
- **Population to be served: 350,000**
- Round the clock customer care management





## KARNATAKA - Demozone

### Performance based management contract



Operation and Maintenance of continuous pressurized water supply with stipulated KPIs in the Demo Zones of Hubballi, Belagavi and Kalaburagi for 15 months.

The scope of work mainly covered technical management of network, billing & collection system and customer care to offer high level customer satisfaction.

#### KEY FIGURES

- Population covered: **180,000**
- Connections covered: **30,000**



# NAGPUR - MIHAN Special Economic Zone

## Performance based management contract



The Multi-modal International Hub and Airport at Nagpur is one of the key economic development projects in India. Veolia was awarded this contract to manage the entire water and wastewater management needs in the entire zone.

### OUR SOLUTIONS & IMPACT

- Environment protection with a tertiary treatment plants that recycles water for industrial needs
- More than 180 km of network and about 800 industries served

### KEY FIGURES

- Three plants: drinking water production (**20.64 MLD**), sewage treatment plant (39 MLD) and tertiary treatment plant (**77 MLD**)
- Population served: **30000**
- Network Length: **45 km**



# ORANGE CITY WATER - Nagpur Full City Concession contract



In 2012, Nagpur Municipal Corporation chose Veolia India to provide 24/7 safe drinking water to the entire city through a special purpose entity - Orange City Water.

OCW is operating five water treatment plants with combined capacity of ~750MLD.

## OUR SOLUTIONS & IMPACT

- 2,900 km of pipelines renovated/built
- 220,000 water connections (CAPEX + replacement)
- About 3,500 legal connections + meters installed per month
- Modern customer care Centre to provide better customer service
- Water treatment capacity augmentation

## KEY FIGURES

- Population served: **~3 Million**
- Duration of the project: **5 years of Rehabilitation & 25 years of O&M**



## Nangloi Water Services Joint Venture Concession contract



In 2013, Delhi Jal Board chose Veolia to run its water supply service for the Nangloi command area. Veolia through its joint venture company – Nangloi Water Services will provide 24/7 water supply to more than one million citizens in the area.

The project consists of improvement and revamping of the existing water supply, transmission and distribution network under the Nangloi water treatment plant.

### OUR SOLUTIONS & IMPACT

- Safe water supplied continuously under positive pressure
- Reduction of non-revenue water
- Exemplary customer services
- Modern and efficient water treatment plant
- Equitable access to water

### KEY FIGURES

- Population served: ~ 1 Million
- Duration of Project: **4-year of Rehabilitation phase & 11 years of O&M**





# DELHI - Nilothi Wastewater Treatment Plant

## Design Build Operate contract



In 2012, Delhi Jal Board chose Veolia to design build and operate an innovative green wastewater treatment plant with a capacity of 91 MLD. This plant is the first sustainable sewage treatment plant in the city to use green process that includes the production of biogas and compost.

Veolia is providing international standard of wastewater treatment technology, operating expertise, discharge standards and in energy efficiency along with limiting environmental footprint.

### OUR SOLUTIONS & IMPACT

- Energy saving: production of biogas from the sludge treatment
- Environmental conservation: only treated water discharge into the river
- Sludge converted into compost

### KEY FIGURES

- Plant capacity: **91MLD**
- Contract duration: **2 years of Construction & 11 years of O&M**
- Energy saving: **50% of the electricity requirement** of the plant is produced in-house





# MOHALI - Water Treatment Plant

## Design Build Operate contract



The Greater Mohali Area Development Authority (GMADA) has selected Veolia India for the construction of a 20 MGD (Million Gallons per day) capacity WTP to supply drinking water to about 1500,000 citizens of Greater Mohali Area through a network of 22km.

The project is divided in two phases - 1.5 years of construction and 11 years of O&M

### KEY FIGURES

- Plant Size: **20 MGD**
- Contract Type: **Design Build Operate**
- Contract duration: **1.5 years construction & 11 years O&M**



# NAGPUR - Kanhan Water Treatment Plant

## Design Build Operate contract



For supplying continuous water of the best quality to the city of Nagpur, required construction and installation of an innovative water treatment infrastructure.

Veolia successfully constructed a 240 MLD plant in the space originally designated for 120 MLD. This contract was awarded by Nagpur Municipal Corporation in 2008 to Veolia.

### OUR SOLUTIONS & IMPACT

- Small footprint WTP
- Veolia MULTIFLO clarifier & high rate TGV FILTERS (first time in India)
- New treated water sump and rehabilitation of transmission mains
- Increased of quality water availability to Nagpur population

### KEY FIGURES

- Population served: **~1 Million**
- Plant capacity: **240 MLD**
- Contract duration: **2.5 years of construction and 15 years of O&M**



# NAGPUR - Pench IV Water Treatment Plant

## Design Build Operate contract



Awarded to Veolia in 2009, The Pench IV, water treatment plant is a Zero Liquid Discharge plant.

With Veolia's state-of-the-art Multiflo™, sludge generated from the desludging process is further treated using thickeners and the backwash water and sludge are re-circulated for treatment within the plant.

### OUR SOLUTIONS & IMPACT

- Veolia's patented technologies Multiflo™ and TGV Filters
- TGV Filtraflo system used, which is a rapid gravitational filter using granular media to separate impurities from water in addition to sludge treatment

### KEY FIGURES

- Plant Size: **115 MLD**
- Production capacity: **41.97 Million m<sup>3</sup> / year**
- Contract duration: **2.5-year construction & 10-year O&M**





## SRI LANKA - Passikudah Design Build Operate contract



Through a joint venture in Sri Lanka , Veolia was awarded the first ever Private Public Partnership in wastewater for the constructed of a treatment plant in Passikudah Bay.

This build operate and transfer (BOT) type project comprises of a centralized wastewater treatment plant and over 8 km of wastewater lines, over 4 km of treated water lines that link it with 13 hotels spread over 100 acres of land.

### OUR SOLUTIONS & IMPACT

- 100% recycling of treated water
- Veolia Water's proprietary technology, Moving Bed Bio Reactor (MBBR)
- Wastewater and treated water network linking 13 hotels spread over 100 acres
- Use of best international treatment and discharge standards to protect the pristine beauty of Sri Lankan natural environment



## BANGLADESH - Grameen Veolia Social Business



A joint venture company between Grameen Health Care Services and Veolia, the objective of this business was to provide safe drinking water to rural areas in Bangladesh.

Based on the concept of “no loss – no dividend”, this business model aims to direct all profits for further expansion and improvement of the rural water distribution network.

### OUR SOLUTIONS & IMPACT

- Design, build and operate a state-of-the-art water treatment plant of 10 cubic meter per hour capacity
- Rigorous water treatment processes are implemented to eliminate all types of germs and harmful substances
- Regular testing of water at the laboratories to meet the Bangladesh Standard Testing Institution and WHO standards

### KEY FIGURES

- Population served: **9000**



Resourcing the world  **VEOLIA**