BOOTES
A NET ZERO CONSTRUCTION COMPANY

DELIVERING SUSTAINABLE

NET-ZERO INFRASTRUCTURE

CARBON NEGATIVE, PLANET POSITIVE

INDIA MOVING TOWARDS NET-ZERO

India to achieve Net-Zero by 2070.

Targets by 2030

Create Lighthouse Projects as replicable models of **Sustainability.**

Reduce projected carbon emissions by **1B Tonnes.**

Off-Grid India
Reducing reliance on traditional power grids.

At BOOTES

We align with this vision, delivering **Net-Zero infrastructure** to accelerate **India's progress.**

SHAPING A SUSTAINABLE FUTURE

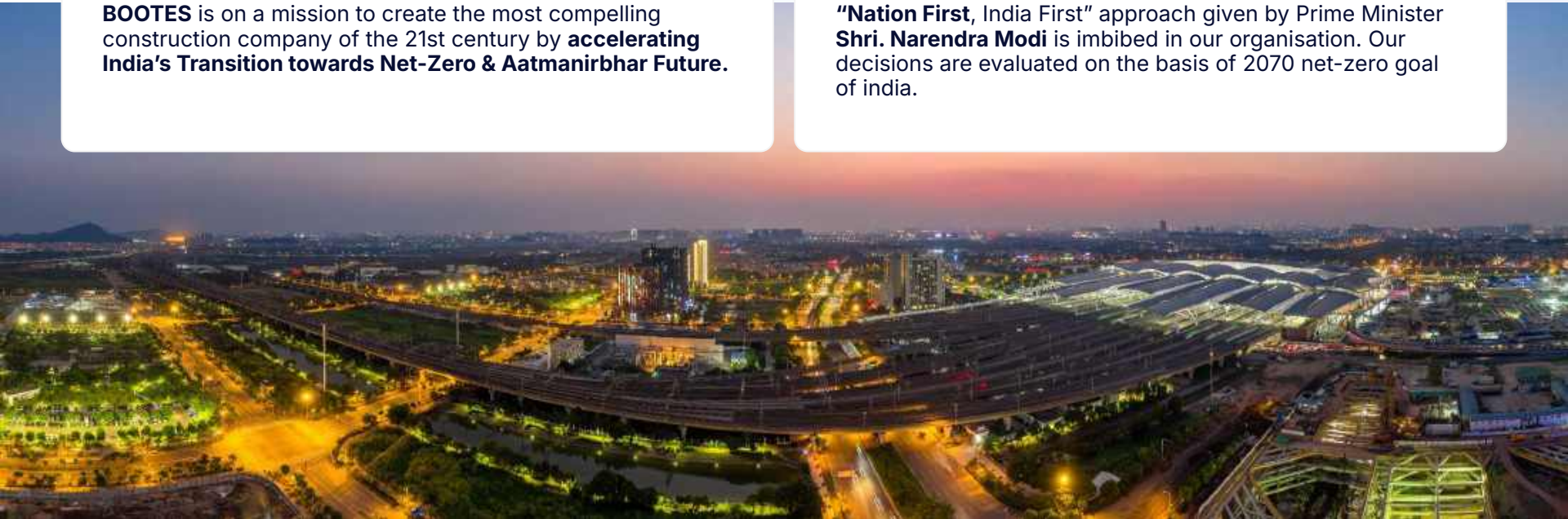
We aim to accelerate India's shift to a **Net-Zero and Aatmanirbhar future,** aligning with the **UN's Sustainable Development Goals 2030.** Our scalable, cost-efficient projects drive local commerce, global climate action, and energy efficiency, demonstrating the value of an Aatmanirbhar Net-Zero environment.

GOOD HEALTH & WELL-BEING	AFFORDABLE & CLEAN ENERGY	Renewable energy integration reduce fossil fuel dependence.
DECENT WORK & ECONOMICS GROWTH	INDUSTRY, INNOVATION & INFRASTRUCTURE	Advanced technology enable carbon-neutral/positive buildings.
REDUCED INEQUALITIES	SUSTAINABLE CITIES & COMMUNITIES	Zero waste/liquid discharge conserves water, waste management.
RESPONSIBLE CONSUMPTION & PRODUCTION	CLIMATE ACTION	Collaborating with stakeholders supports net-zero initiatives.

OUR MISSION

BOOTES is on a mission to create the most compelling construction company of the 21st century by **accelerating India's Transition towards Net-Zero & Aatmanirbhar Future.**

"Nation First, India First" approach given by Prime Minister **Shri. Narendra Modi** is imbibed in our organisation. Our decisions are evaluated on the basis of 2070 net-zero goal of india.



ABOUT BOOTES

NET-ZERO CONSTRUCTION COMPANY

Bootes Impex Tech Ltd. is India’s first Net-Zero construction company, specializing in delivering **sustainable and scalable infrastructure** solutions. We pioneer in Net-Zero buildings using cutting-edge technologies like **renewable energy**, **hydronic cooling**, and **zero liquid discharge**. With a global footprint, Bootes creates **lighthouse projects** that are adaptable and cost-efficient, aligning with India's vision of **Aatmanirbhar Bharat**. Our expertise spans design, engineering, construction, and finance, all aimed at building a **decarbonized and resilient future**.

Our projects are customizable, scalable, and focus on minimizing the carbon footprint while delivering significant cost savings.

BOOTES' CAPABILITIES

Advanced Technical Team

Skilled experts utilizing high-tech tools like BIM for precision and efficiency.

Strategic Planning & Monitoring

Proactive planning and real-time project monitoring for optimal outcomes.

End-to-End Solutions

Comprehensive services covering every phase, from concept to completion.

24×7 Operations

Continuous support and operations to meet project demands anytime, anywhere.

BOOTES KEY DIFFERENTIATORS

End-to-End Solutions

- Design & Engineering
- Supply & Construction
- Project Financing
- Project Management & Delivery

80%

Reduction in Carbon Emissions:

Through renewable energy and sustainable materials.

75%

Lower Operating Costs:

With energy-efficient systems and smart building system.

Turnkey

Project Expertise:

From concept to completion, ensuring timely delivery.

WHY BOOTES?

Sustainability Leadership

80% carbon emission reduction,

50% energy savings.

Global Reach

Successful projects across:

🇮🇳 India, 🇺🇸USA, and the 🇦🇪 Europe.

Proven Track Record

Renewable energy, on-site generation

Innovative Technologies

- Hydronic Cooling
- Zero Discharge System
- Renewable Energy Integration On-Site

Commitment to Aatmanirbhar Bharat

Aligning with India's vision for self-reliant, sustainable infrastructure.

Turnkey Expertise

End-to-end solutions from design to delivery.

Cost-Effective

50% lower operating **costs** compared to traditional systems.

ACHIEVING CARBON NEUTRALITY

All-Electric Infrastructure

Leverage renewable energy sources (solar, wind, geothermal) to decarbonize power grids and reduce greenhouse gas emissions.

Energy Efficiency

Advanced energy management systems enable real-time monitoring and optimization, cutting energy use and emissions.

Zero Liquid Discharge

Implement waste treatment systems that conserve water and recover resources, ensuring zero liquid discharge and minimal environmental impact.

Off-Grid Infrastructure

Fully independent energy systems, reducing reliance on traditional power grids.

Sustainable Building Materials

Prioritize eco-friendly materials that balance environmental sustainability with affordability.

Hydronic Cooling Systems

Sustainable water-based cooling reduces energy consumption and emissions compared to traditional HVAC systems.

SUSTAINABLE SOLUTIONS

Bootes delivers **360-degree Net-Zero** infrastructure across:

Net-Zero Buildings

On-site generation & integration of renewable energy

Museums

Technologically equipped and user-centric

Universities & Schools

Tech-empowered sustainability

Hotels

Efficient HVAC, green roofs, & renewable energy

Medical Complexes

Holistic sustainability with resilient & safe spaces

PPP Projects

Partnerships for scalable sustainable financing

PROJECT SHOWCASE

Jhansi Net-Zero Library

Shrimad Bhagwat Geeta Museum

Pradhan Mantri Sangrahalaya

Dubai World Expo Pavilion

345 Hudson Street

Gandhi Smriti- Digital Memorial Museum

PROJECT SHOWCASE

Haryana International Habitat Centre

Jhansi Exhibition Center

Sri Lete Hanuman Ji Mandir

JHANSI NET-ZERO LIBRARY

Overview:

India's first Net-Zero library, completed in **record breaking 90 days time**, setting standards for sustainable infrastructure.

Features:

- District Public Library, Area: 1,200 m^2
- 116 MWh annual energy consumption, 126 MWh energy production
- Sewage treatment (20 kLD), soil and greywater recycling, rainwater harvesting
- Floor radiant cooling, 350 TR vapor absorption machine (biogas-powered)
- 600 kWp solar PV capacity renewable energy

Jhansi, Uttar Pradesh

Old library building reconstructed in Jhansi in record time

Arindam Ghosh | TNN

Jhansi: Turning it probably as the only net-zero library building in the country, the superstructure of the library constructed on over 1,200 square feet in the Shikohabad campus in record ninety days of time with state-of-the art tech-

The building is reconstructed

said the energy consumption of the building will be 30 MWh against usual 116 MWh in a year and this 30 MWh will be generated from renewable solar and wind energy through solar PV panels and a wind turbine.

The building has a special ly created ventilation to ensu-

The builders has installed a huge countdown timer on the wall with a target to complete the building within the targeted timeline.

The same builder has recently completed the Prime Minister Museum in New Delhi in a record period of one ye-

sustainable, ensuring maximum efficiency and low environmental impact", Deepak said.

On the other hand, Zila m co-chairman Alok Yadav said the library will start working soon in the coming days. "The building built in a record time by days with full completion of

SHRIMAD BHAGWAT GEETA MUSEUM

Overview:

World's first Net-Zero Museum combining heritage with sustainability, using next-gen building materials.

Features:

- Cultural/Museum, Area: 10,000 m²
- 1,730 MWh annual energy consumption, 1,747 MWh energy production
- Sewage treatment (20 kLD), soil and greywater recycling, rainwater harvesting
- Floor radiant cooling, 350 TR vapor absorption machine (biogas-powered)
- 600 kWp solar PV capacity renewable energy

Kurukshetra, Haryana

PRADHAN MANTRI SANGRAHALAYA

Overview:

A museum showcasing India's Prime Ministers' legacy through advanced technology and an immersive experiences.

Features:

- Cultural/Museum, Area: 8,000 m²
- 3D & 7D 360° VR Projection
- Digital walk-through with Prime Ministers
- Projection mapping and touch-enabled systems
- Smartphone-based audio guide

New Delhi, India

DUBAI WORLD EXPO PAVILION

Overview:

Provided sustainable HVAC systems for the India Pavilion at Expo 2020, emphasizing green engineering.

Features:

- Expo/Technology Exhibition, Area: 6,405 m²
- 25% from renewable sources, <90 kWh/m² annual power consumption
- 80% HVAC condensate capture, water-efficient fixtures
- Passive energy reduction, automated lighting for conservation
- Floor radiant cooling, sustainable waste management

Dubai, UAE

345 HUDSON STREET

Overview:

Large-scale, energy-efficient office project aimed at reducing carbon emissions in a densely populated urban area.

Features:

- 52% energy savings
- 67% peak cooling reduction
- 92% peak heating reduction
- 85% emission reduction
- Solar energy integration

New York, USA

GANDHI SMRITI MUSEUM

Overview:

An immersive museum narrating Mahatma Gandhi's life and teachings with state-of-the-art digital experiences.

Features:

- 360° digital screens
- Holograms and digital interactive exhibits
- Immersive storytelling through "Shradhanjali"
- Smart displays and permanent digital tribute
- Advanced audio-visual systems

New Delhi, India

HR INTERNATIONAL HABITAT CENTRE

Overview:

A Griha-rated sustainable hub promoting collaboration, art, and cultural exchange in a green setting.

Features:

- Hospitality/Cultural/Office, Area: 12,973 m²
- 800 kWp solar PV (roof and façade-mounted), solar thermal panels with VRV
- Soil and greywater recycling, 80% HVAC condensate capture, xeriscaping
- Passive architectural design, automated lighting, water-efficient fixtures
- Xeriscape landscaping for water conservation

Panchkula, Haryana

JHANSI EXHIBITION CENTER

Overview:

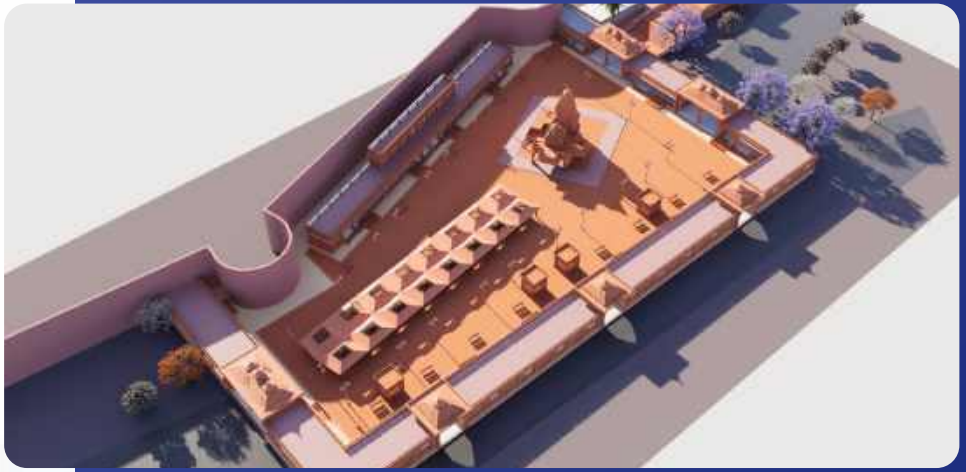
A modern convention center built for large-scale events, showcasing eco-friendly design and modern amenities.

Features:

- Exhibition Hall/Auditorium, Area: 12,973 m²
- 800 kwp solar pv on roof and facade renewal energy
- Soil and greywater recycling, waterless urinals, water closets (1L usage)
- Radiant floor cooling, automated lighting
- Insulated building envelope with shading, 100% HVAC condensate capture

Jhansi, Uttar Pradesh

SRI LETE HANUMAN JI MANDIR



Overview:

A sustainable and flood-resistant pilgrimage site designed to enhance visitor experience with eco-friendly features.

Features:

- 25% roof-mounted solar PV
- Groundwater recharge system
- Water-efficient fixtures
- Hydronic cooling for queue areas
- Automated lighting
- Fertilizer-producing water closets

Prayagraj, Uttar Pradesh

AWARDS

India's first Net-Zero Library JHANSI LIBRARY was constructed by **BOOTES in record-breaking 90 days.** The Library went on to be the light house project of government of Uttar Pradesh.

BOOTES TEAM RECEIVING THE AWARD

TIMELINE

- 22/03/23
  Jhansi Library

- 20/06/23
  Jhansi Library

ASIA'S FASTEST CONSTRUCTION

by Asia book of Records

by India book of Records

Leading with legacy

EDGE Certificate of Environmental Excellence

Jhansi Pustakalaya's Landmark Sustainable Achievement

Asia's First Project to Earn 100% Energy Savings EDGE Net Zero Carbon Ready Certification

IFC International Finance Corporation
Creating Markets, Creating Opportunities

To Whom it May Concern 29 November, 2024

Subject: EDGE Net Zero Carbon Ready Certification with 100% Energy Saving for Jhansi Pustakalaya

The Jhansi Pustakalaya project in Jhansi, India has been Certified with an EDGE certification by the International Finance Corporation (IFC), a member of the World Bank Group as they have achieved **Net Zero Carbon Ready certification with 100% energy savings** due the judicious use of energy efficiency measures and on-site renewable energy.

We sincerely appreciate the efforts taken by the project team and express heartiest congratulations to the government of Uttar Pradesh on achieving this unique status of being the **first project in Asia to have achieved 100% Energy savings** using on-site renewable energy.

Best regards,

Asrif Sayyed
Project Leader
IFC India Green Building Programme
+91-9479327693 asayyed@ifc.org

LEADERSHIP TEAM

Deepak Rai
Managing Director

With over a decade of experience delivering landmark projects for Fortune 500 companies across Europe, the USA, the Middle East, and India, Deepak Rai founded Bootes to revolutionize construction with a focus on a greener, Net-Zero/Aatmanirbhar Bharat. His leadership in MEP engineering blends cutting-edge technology, design, and expert team management, advancing sustainable construction for the benefit of the environment and communities.

Manab Rakshit
Director Strategy

With over 20 years of experience, Manab Rakshit is a seasoned leader in banking, financial institutions, family offices, and construction. He has held key roles at Kotak Life, ICICI Bank, and URC Construction, and led alliances for United Waters India. As Managing Director Asia for Urban Systems AB, he excels in market entry, partnerships, and financial structuring. His strategic acumen and leadership in global market penetration drive Bootes' success.

Imad Agi
Head of Sustainability

Imad Agi leads Bootes' journey to net-zero carbon emissions, specializing in sustainable construction and eco-friendly solutions. As the founder of ECOLOO, he has revolutionized sanitation with water-saving toilets, earning global recognition including the UN's Top 10 Global Innovator and awards from the World Economic Forum, UNWTO, and ENERGY GLOBE. His vision: "Go green, grow rich, achieve sustainable living and wealth."

Oliver
Chief Technology Officer

With 28+ years of international experience, Oliver leads technical initiatives at Bootes, overseeing major projects in infrastructure, museums, and events across the Philippines, UAE, KSA, Bahrain, and Africa. Notably, he played a key role in launching the Formula 1 Race Track in Abu Dhabi. As CTO, he drives the company's vision for innovative, eco-friendly building solutions, ensuring Bootes stays at the forefront of sustainable construction.

Vishal Agarwal
Director

With 12+ years of experience, Vishal Agarwal leads Bootes' financial strategy, managing projects exceeding ₹100 crore. He excels in budgeting, cost management, and financial planning, aligning his efforts with Bootes' mission of building sustainable, Net-Zero infrastructure. Vishal's expertise in crafting annual business strategies and optimizing expenditures plays a key role in driving Bootes' growth, ensuring both financial stability and environmental responsibility.

AS FEATURED IN

BOOTES' transformative approach & fast-paced construction has been featured in multiple publications in India, as well as Globally.

Forbes

THE TIMES OF INDIA

The Asian Chronicle

dailyhunt

Lokmat Times

Khaleej Times

Business Standard

LOKMAT TIMES

PTI

INDIA TODAY

BOOTES

PARTNERSHIP

Our partnerships are founded on a shared vision of sustainable & technological innovation in the construction industry. We bring together our expertise and resources to offer cutting-edge solutions that enhance the efficiency, safety, and sustainability of construction projects.

- **Extensive local development expertise**
- **Proven MEP experience with commercial buildings**
- **Process driver excellence**
- **Client-centric approach**
- **Innovative & actionable design**
- **Credible holistic systems thinking**
- **Access to nordic innovation**
- **In-house engineering & modeling**

BOOTES
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urbs.
URBAN SYSTEMS

WANT TO KNOW MORE ABOUT US?

SCAN the code, to know more ►

BOOTES
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Pioneers in Net-Zero Infrastructure

Building a Sustainable, Aatmanirbhar Future

GURUGRAM | MUMBAI | CHANDIGARH | PUNE | JHANSI | PRAYAGRAJ | NOIDA | BHOPAL | STOCKHOLM | NEW YORK

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