



 **FORTRESS**
Where mind meets resources



CONSISTENTLY DELIVERING
INTEGRATED ENGINEERING
SOLUTIONS OVER 3 DECADES



DIVERSE CLIENTELE
SPREAD ACROSS 18 STATES
IN INDIA



IN-HOUSE EXPERTS AND
INTEGRATED SYSTEMS
& PROCESSES



THOUGHT LEADERSHIP
IN GREEN & SUSTAINABLE
SOLUTIONS



ENVIRONMENT

INDUSTRIAL

TOURISM

URBAN INFRASTRUCTURE

TRANSPORTATION

30

YEARS OF EXPERIENCE

250+

PROFESSIONALS

500+

PROJECTS COMPLETED

USD 26 Bn

AGGREGATE PROJECT VALUE



A S Kumar
Managing Director

.....
Founder Member of Fortress and
MBA (MIT Sloan) with 35+ years of
rich experience in Infrastructure
Planning, Development,
Financing & Management



Ajay Agrawal
Executive Director

.....
Master in Urban Planning (SPA, Delhi)
with 31+ years of experience in
Flagship Program and Infrastructure
Planning & Development



Chhatrapal Somkuwar
Executive Director

.....
MBA (Mumbai University) & Civil
Engineer with 18+ years of
experience in Sustainable and
Integrated Infrastructure Planning,
Development & Management



Riaze Vakil
Head – International

.....
PG in business management with
28+ years of experience in
investment banking and
infrastructure sector.

Core Team



Sandeep Bhutkar
AVP – Integrated Infra Projects

M Tech in Environmental Engg.
with 16+ years of experience
in Infrastructure Projects



Dr. Abhijit Warudkar
AVP - PMC

PhD in Construction Management
with 16+ years of experience
in Project Management



Dr. Shivkumar Pujari
AVP - Environment

PhD in Environmental Engineering with
18+ years of experience in Environmental
Planning, Design & Management



Anwar Shaikh
AVP - Special Projects

M Tech in Construction Management
with 19+ years of experience in Program
Monitoring & Management



Deepak Pethkar
AVP - Transportation

B Tech in Civil Engg.
with 16 years of experience
in Transportation Projects



Amit Upadhyay
AVP – Planning

M Tech in Transport planning with 20+
years of experience in Infrastructure
Projects



Mahendra Karne
AVP – Architecture

M Arch in Urban Design
with 15+ years of experience
in Urban & Regional Planning



Chandrakant Honrao
Head – MEP & ICT

M Tech in Electrical Engg.
with 18+ years of experience
in Infrastructure Projects

Well supported by qualified, experienced & skillful professional team of 270+ members

- Sustainability & Climate Change
- Water Supply & Sewerage
- Solid Waste
- River & Lake Rejuvenation



- City Infrastructure
- Smart Townships
- Buildings
- Utilities & ICT

- Highways & Expressways
- Urban Mobility
- Bridges & Elevated Structures
- Smart Transport



- Industrial Corridors
- SEZ / FTZ
- Industrial Parks / Townships
- Logistics Parks

- Destinations
- Circuits
- Products



Serving over entire Project Life Cycle



Planning, Design & Engineering

- Project Development Strategy
- Surveys & Investigations
- Master Planning
- Feasibility Studies
- Architectural Design
- Design Engineering, BIM
- MEP & ICT Design
- SIA/EIA
- Financial & Economic Analysis
- Detailed Project Reports
- GFC Drawings
- Contract Management



Project Management

- Project Management/ Supervision and Quality Control/ Authority Engineer/ Independent Engineer
- General Consultant
- IRMA/TPIA/Audits
- Lender's Engineer
- Program Monitoring
- Asset Management



Advisory

- Transaction Advisory
- Economic Planning
- Strategic Advisory
- Capacity Building
- Sustainability Strategy



Clientele



MORTH, GOI



MOT, GOI



MoHUA, GOI



NHAI, GOI



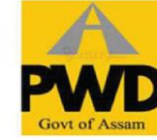
PWD,



UD,



BTC, ASSAM



PWD, ASSAM



HPRIDC, HP



DULB,



MSRDC



UPEIDA



MMRDA



PMRDA



MPIDC



GREATER NOIDA



TIDCO



APIC



UPSIDA



MJP



PHED, MP



PWSSB



DOT, KERELA



DTDC



MTDC



SUDA, WB



UD, ODISHA



SRINAGAR SCL



INDORE SSDL



CH. SAMBHAJI



EAST DELHI



PUNE MC



MBMC



MORADABAD



Adani Group



L&T



SPCPL



HP TOURISM



TATA



MCGM

Over 100 Satisfied Clients

Environment



- 120 WS Schemes of 3000 MLD & 37000 km pipeline
- 30 Sewerage Schemes of 1000 MLD & 2000 km pipeline
- 45 SWM Projects of 1000 TPD
- 4 River Fronts of 28 km & 100 lakes rejuvenation
- 3.3 Mn tree Plantation

Urban Infrastructure



- 30 City Infrastructure Projects
- 10 Smart Townships
- 3 Mn sqft Buildings and Structures
- 50 km Waterfront Development
- 100 Gardens, Green spaces & Recreational areas

Transportation



- Total 12000 km Highways & Urban Roads
- 125 NH Projects of 7000 km on PPP/EPC for NHAI & MORTH
- 4000 km of Design & 600 km of Supervision
- 4th Longest Tunnel of 7.7 km on Samruddhi Expressway, Maharashtra

Industrial



- 3 Greenfield Industrial Nodes over 2500 Ha
- 15 Greenfield Industrial Parks & Townships over 4000 Ha
- 10 Brownfield Industrial Parks/ Townships over 2500 Ha
- 10 MSME Clusters over 250 Ha

Tourism



- 10 Destinations
- 10 Multiple Tourism Circuits
- 3 Tourism Cities
- 5 Tourism Vision Plans
- 3 Convention Centers

Pioneer in



- First PPP Project in Urban Area
- First CDP under JNNURM & Integrated Development
- First Mega Tourism Circuit
- Second Smart Industrial Node
- Largest Green Sink Expressway

Environment



Ch. Sambhaji Nagar Water Supply Scheme, Maharashtra
24x7 Water Supply Scheme for 2 Mn population with 1900 Km Distribution & 78 Km Rising Main, 392 MLD WTP, 2 MBR, 49 ESR & 4 GSR with 104 million CuM capacity | USD 331 Mn



Nanded District Water Supply Schemes, Maharashtra
Multi Village Water Supply Scheme in Nanded District for 350+ Villages under JJM | USD 168 Mn



Gwalior Region Water Supply Schemes, Madhya Pradesh
4492 Villages Water Supply Scheme in Gwalior, Guna, Ashoknagar, Shivpuri, and Datia districts under JJM | USD 126 Mn



Ch. Sambhaji Nagar Sewerage Scheme, Maharashtra
Integrated Underground Sewerage System for 2 Mn population with 603 km of collection network, SPS, 216 MLD STP, & SCADA | USD 56 Mn

Environment



AMRUT Projects in Orissa

Water Supply, Sewerage, Septage, Drainage, Urban Transport, and Parks in Orissa | USD 60 Mn



Solid & Liquid Waste Management, J & K

Solid & Liquid Waste Management under SBM in 40 ULBs of Kashmir Division



Jhelum Riverfront, Srinagar, J & K

5.5 km Jhelum Riverfront Development with emphasis on 'Bringing River to the People' | USD 15 Mn



Indore Riverfront, Madhya Pradesh

4 Km Kahn-Saraswati Riverfront Development with rejuvenation, heritage conservation, recreation and public amenities | USD 12 Mn

Best Built Environment Award Winning Project

Environment



Pune Riverfront, Maharashtra

9 Km Mula-Mutha Riverfront Development with rejuvenation, riverbank protection, recreation and public amenities | USD 105 Mn



Plantation along Samruddhi Expressway, Maharashtra

Carbon Neutral Green and Scenic Corridor of 701 km with plantation of 3.3 Mn plants & landscaping of 24 interchanges Spread over 500 Ha | USD 111 Mn



- 48 MLD STP at Mira Bhayandar | USD 22 Mn
- Mira Bhayandar Water Supply Scheme | USD 60 Mn
- Kolhapur SWM & Waste to Energy Project | USD 6 Mn
- Multi Village Water Supply Scheme in Ch. Sambhaji Nagar | USD 481 Mn
- Lake Conservation Panel | USD 8 Mn



- AMRUT Projects in Assam | USD 79 Mn
- Malegaon City Underground Sewerage System | USD 31 Mn
- Plantation along Mumbai-Pune Expressway | USD 8 Mn
- Multi Village Water Supply Scheme in Jalna District | USD 290 Mn
- Amritsar Water Supply and Sewerage Projects under JICA | USD 22 Mn



Urban Infrastructure



Nanded City Infrastructure, Maharashtra
Integrated City Infrastructure spread over 150 sq km in Nanded | USD 88 Mn



Tirthkshetra Infrastructure Development, Shegaon, Maharashtra
Integrated Tourism and city infrastructure over 15 sq km in Shegaon, Buldhana | USD 65 Mn



Smart City, Srinagar, Jammu & Kashmir
Smart City Infrastructure over 246 sq km | USD 437 Mn



Panvel City Infrastructure, Maharashtra
Integrated Infrastructure at Panvel over 110 sq km | USD 61 Mn

Urban Infrastructure



Sachkhand Gurudwara Precincts, Nanded, Maharashtra

Integrated infrastructure including Gurudwara precincts, Congregation Hall, Yatri Niwas & Recreational Garden over 15 Ha | USD 14 Mn



GST Bhawan, Pune, Maharashtra

Administrative Green Building having 2 Lacs sqft BUA & 5 stories | USD 12 Mn



Manora Amdar Niwas, Mumbai, Maharashtra

State-of-the-Art Manora Amdar Niwas for Maharashtra Legislature having 12 lacs sqft BUA & 42 storied | USD 153 Mn



PIECC Township, Pune, Maharashtra

Integrated Infrastructure for PIECC township spread over 98 Ha at sector 5 & 8 | USD 16 Mn

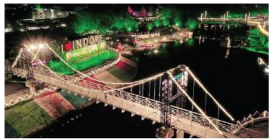
Urban Infrastructure



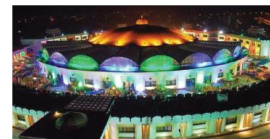
Agro Prosperity Industrial Node near Ch. Sambhaji Nagar, Maharashtra
 New Agro-Industrial node along Samruddhi Expressway over 1050 Ha



FINTECH City, Chennai, Tamil Nadu
 State-of-the-Art FINTECH cities at Nandambakkam (45 Ha) and Kavanoor (105 Ha) | USD 81 Mn



- Nanded-Waghala Municipal Corporation HQ & Complexes on PPP | USD 13 Mn
- New School Building at Kausa, Thane | USD 2 Mn
- Kolhapur Holy City Infrastructure Project | USD 252 Mn
- Bhiwandi-Nizampur Municipal Corporation HQ on PPP | USD 3 Mn
- Residential & Commercial Development over 18 Ha at Coimbatore | USD 24 Mn



- Habitat & Trade Center at Gwalior | USD 4 Mn
- Affordable Housing Township, Nagpur | USD 8 Mn
- Riverside Township Development over 200 Ha at Raigad | USD 10 Mn
- Medicity Kolhapur over 8 Ha | USD 14 Mn
- Redevelopment of Municipal Colony over 10 Ha at Usmanpur, Delhi | USD 108 Mn



Transportation



Maharashtra Samruddhi Expressway

6 lane access controlled greenfield expressway of 78 km Package V with 14 km tunnel and viaduct
| USD 829 Mn



Expressways & National Highways across India

125 no. of Expressways/ NH Projects with total length of 8000 km across India for NHAI/ MoRTH
as Financial cum Legal Consultant | USD 13822 Mn



Maharashtra Road Improvement Program

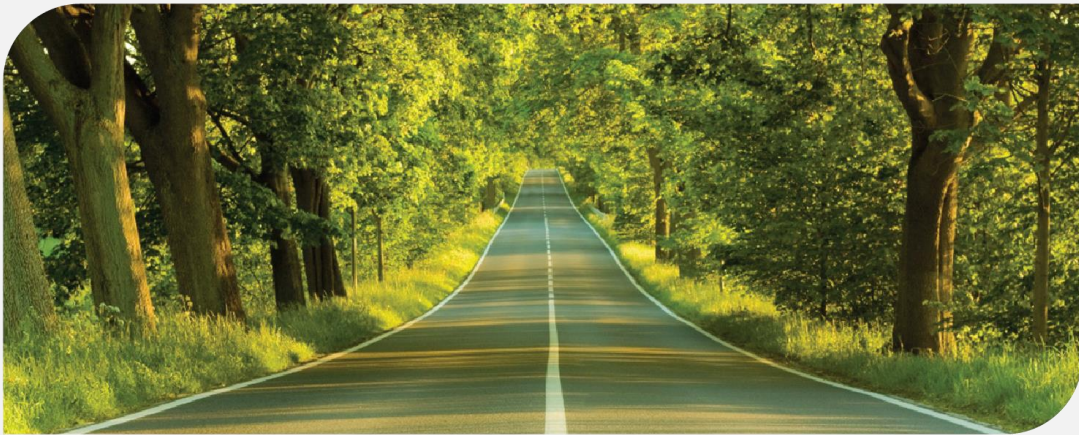
2/4/6 lanning of 1150 km SH with bridges in 12 districts under HAM/EPC | USD 410 Mn



Chhattisgarh Road Connectivity Project

2/4 lanning of 810 km SH/MDR with bridges in 13 districts under ADB funding | USD 409 Mn

Transportation



Axom Mala Road Project, Assam

2/4 lanning of 460 km SH/ MDR in 11 districts with bridges on Subhansari and Luit Rivers under AIIB/ NABARD & State funding | USD 505 Mn



NH - 848 (Vadape - Thane Section), Maharashtra

8 lanning & service roads of 20 km with Creek bridges, ROB, Grade Separator & Toll Plaza | USD 142 Mn



NH - 548 D (Ahmedpur - Patoda Section), Maharashtra

2 lanning of NH 548 D of 162 km with bridges in Ahmedpur - Patoda section, Maharashtra | USD 121 Mn



Himachal Pradesh Urban Roads Improvement Project

Urban Roads of 105 km and Mobility improvement in Kullu & Mandi cities | USD 163 Mn

Transportation



Ropeway Mussoorie, Uttarakhand

With Length of 5.5 Km, two station, Seating Capacity of 8 passengers per cabin | USD 34 Mn



Digital Project Management Platform (5D BIM), Maharashtra

5D BIM with ERP, BA & GIS for key infrastructure projects of MSRDC including Samruddhi Expressway, MPML & VBSL | USD 42 Mn



- 4 lanning of NH - 48 & service roads of 133 km with bridges
- 2 lanning of NH 548 C (Satara - Tembhurni Section) of 138 km | USD 115 Mn
- Shegaon City roads of 32 km with bridges | USD 26 Mn
- Latur City roads of 42 km | USD 15 Mn
- 8 lanning of Mumbai Western Expressway of 23 km | USD 101 Mn



- Panvel Urban Road Safety Audit of 35 km
- NSV & Condition Assessment of 520 km NH/ SH in Kerala
- Transport Nagar at Ch. Sambhaji Nagar | USD 10 Mn
- Bus Stand/ Port at Karad, Satara
- Dehradun-Mussoorie Passenger Ropeway of 5.5 Km | USD 35 Mn

Industrial



Infrastructure Works, NOIDA, Uttar Pradesh
Infrastructure works in NOIDA over 203 sq km | USD 252 Mn



Integrated Industrial Township, Greater NOIDA, Uttar Pradesh
Integrated infrastructure for greenfield industrial township over 302 Ha at Greater NOIDA | USD 51 Mn



Shendra Industrial City, Ch. Sambhajinagar, Maharashtra
Integrated infrastructure for greenfield industrial city over 845 Ha | USD 79 Mn



Electronics Hardware Manufacturing Cluster, Tirupati, Andhra Pradesh
Greenfield EPMC park over 200 Ha with plug and play facility over 8 lacs sqft | USD 41 Mn

Industrial



Bodoland Economic & Livelihood Development Projects, Assam
 Livelihood Enhancing Economic Development Projects in Bodoland Territorial Region
 at 12 locations over 80 Ha | USD 44 Mn



Industrial Township/ Park, Gwalior, Madhya Pradesh
 Readymade Garment Park (40 Ha), Multi-product industrial area (165 Ha), upgradation of
 Industrial Park (100 Ha) | USD 43 Mn



Greenfield Industrial Park, Lalbaug, Dhar, Maharashtra
 Integrated Greenfield Multi-product Park over 200 Ha | USD 22 Mn



Industrial Clusters, Indore, Madhya Pradesh
 Namkeen Cluster, Apparel Cluster & Pharma Cluster over 48 Ha at Indore | USD 4 Mn

Industrial



Greenfield Industrial Park, Chainpura, Guna Madhya Pradesh
 Integrated greenfield industrial park over 386 Ha | USD 5 Mn



Greenfield Industrial Park, Bhara-Pachpera, Pilibhit
 Integrated Greenfield industrial Park over 385 Ha | USD 52 Mn



- Food Park at Shivpuri over 25 Ha
- Industrial Area at Balaghat over 92 Ha | USD 7 Mn
- Infrastructure Works at GNIDA over 380 Ha | USD 154 Mn
- Integrated Industrial Estate Haridwar over 566 Ha | USD 24 Mn
- Implementation of industrial infra development at Gwalior | USD 42 Mn



- Plastic Park at Gwalior over 40 Ha
- Infrastructure Works at YEIDA over 759 Ha | USD 112 Mn
- Special Economic Zone at JNPT over 277 Ha | USD 53 Mn
- Multi-Product Industrial Areas in Indore region over 265 Ha | USD 26 Mn
- Upgradation of Iron & Steel Market yard at Navi Mumbai over 302 Ha | USD 23 Mn



Tourism



Kumarkom Tourism Destination, Kerala

Kumarkom & Cheepunkal destination development over 52 sq km sustainable backwater & houseboat tourism | USD 138 Mn



Himachal Pradesh Tourism Corridor

Sustainable and Inclusive Tourism Development Project in Himachal Pradesh | USD 157 Mn



Lonar Tourism Destination Development, Buldana

Conservation on Ramsar site "Lonar Crater", heritage & historical temples, wildlife and development of amenities & facilities | USD 44 Mn



Shreekshetra Mahurgadh Tourism Destination, Maharashtra

Integrated Religious, Eco & nature tourism development | USD 26 Mn

Tourism



Vagamon - Thekkady Eco Tourism Circuit, Kerala

Vagamon - Thekkady Eco Tourism Circuit with Meadows, Pine forest, adventure & nature tourism under Swadesh Darshan Scheme | USD 7 Mn



Solapur - Tuljapur Mega Tourism Circuit

Solapur - Pandharpur - Akkalkot - Tuljapur Mega Tourism circuit having tourist amenities and facilities | USD 5 Mn



Sant Dyaneshwar Recreational Garden, Paithan

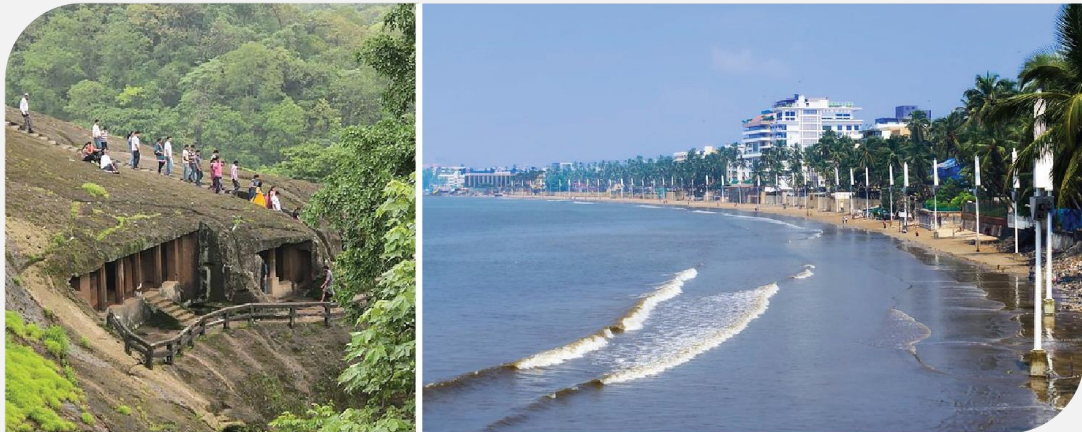
Integrated and Vibrant recreational garden with water sports, musical dancing laser fountain, Santvani, etc. over 65 Ha | USD 18 Mn



Delhi Haat, Janakpuri

Indian Art & Heritage Spawning Complex over 2.4 Ha for craft, cuisine & cultural activities | USD 14 Mn

Tourism



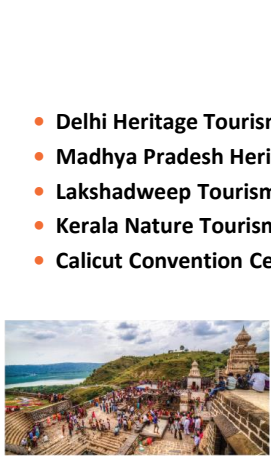
Mumbai Suburban Tourism Plan

Tourism Plan covering SGNP, Beaches, Historical sites, Bollywood, Convention, etc. | USD 76 Mn



Indore Convention Center

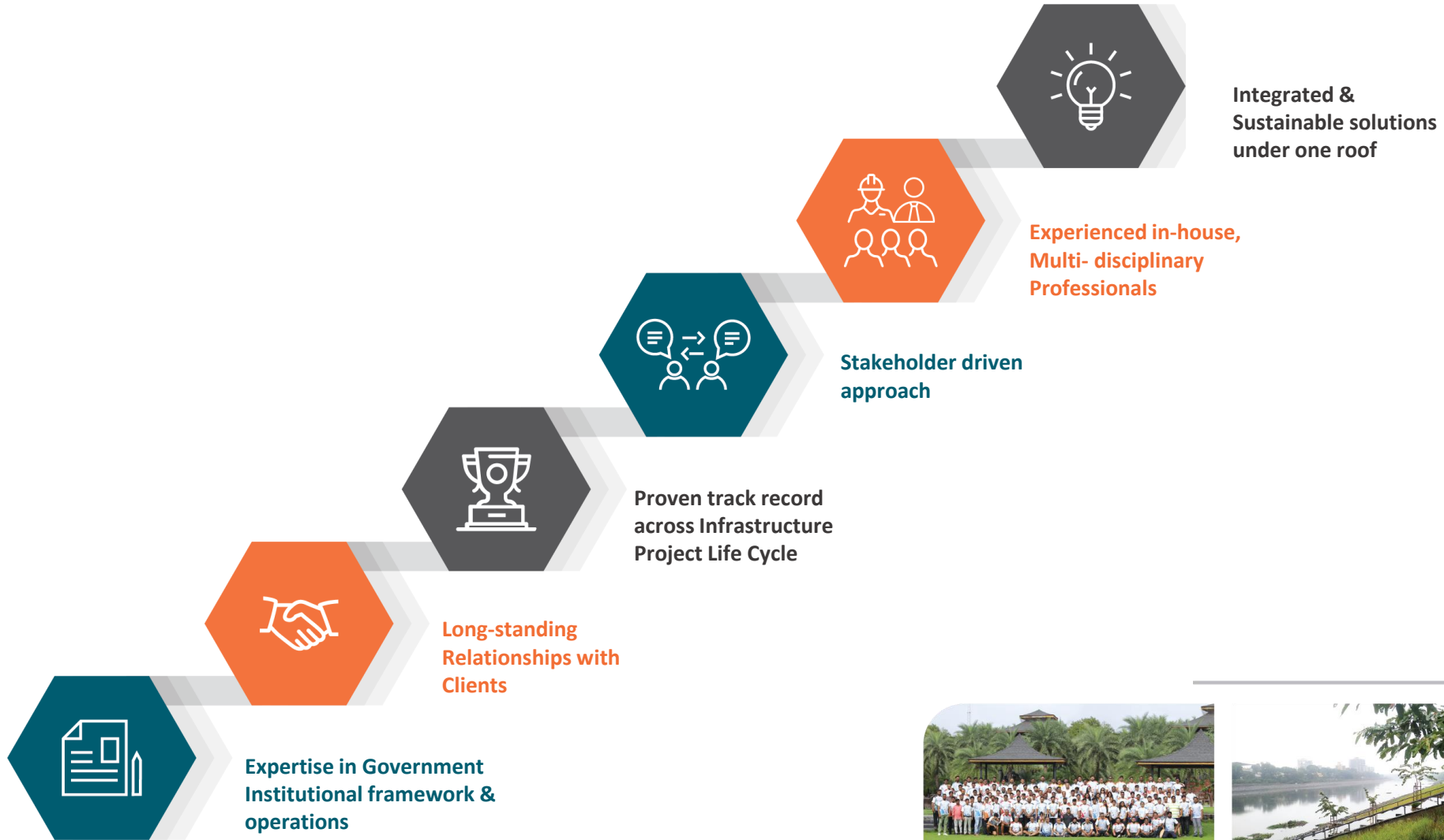
International Convention-cum-exhibition center and Business complex over 12 Ha | USD 24 Mn



- Delhi Heritage Tourism Circuit | USD 37 Mn
- Madhya Pradesh Heritage Tourism Circuit | USD 36 Mn
- Lakshadweep Tourism Circuit | USD 96 Mn
- Kerala Nature Tourism Circuit | USD 31 Mn
- Calicut Convention Center | USD 14 Mn

- Buddhist Circuit in Maharashtra | USD 3 Mn
- Nanded Mega Tourism Circuit | USD 5 Mn
- Buldana District Tourism Plan | USD 60 Mn
- Nashik Tourism Circuit | USD 3 Mn
- Khajuraho Group of Heritage Monuments cleanliness & adoption plan under CCI

Why Fortress



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