

SMARTCITY SPECIAL

CIOReview

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The Navigator for Enterprise Solutions

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IN MY OPINION

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INDIA PVT. LTD

COMPANY OF THE MONTH



INTELIZON ENERGY
DR. KUSHANT UPPAL,
FOUNDER AND MANAGING
DIRECTOR

QUALITY THEOREM

DELIVERING SMART SOLUTIONS
WITH TIME TESTED AND WORLD
CLASS PRODUCTS

DBV NARASIMHAM,
CEO

₹150



CIO 20 MOST PROMISING SMARTCITY Review Solution Providers 2018

Smart city technologies and solutions have exploded onto the global arena, capturing both the attention and budgets of cities worldwide. According to research reports, the global smart cities market, estimated at USD 529.55 billion in 2017, is forecasted to grow at a CAGR of 24.21 percent and reach USD 1944.67 billion by the end of 2023. Among the factors contributing to this growth are the expanding population within cities, growing degree of urbanization, increasing telecom penetration, and rising adoption of AI and Internet of Things, which together are driving the demand for smart cities. In India particularly, the adoption of this technology is being fuelled by the 'Smart Cities' initiative which has been introduced by the government to transform the country's urban governance capabilities.

However, despite these various driving factors, Smart City building is no easy task with the government facing challenges in channeling finances to Smart Cities, building coordination

among multiple stakeholders, retrofitting existing cities, and creating utility services to meet the energy demands. As a result, this segment is now in need of vendors that can bring innovative techniques and technologies to not only tackle these challenges but to also equip smart cities with more potential for energy conservation, operational savings, public safety, and improved resource management.

Perfectly understanding these demands of the industry, CIOReview offers assistance with a list of "20 Most Promising Smart City Solution Providers." This catalog encompasses a set of skilled new-age vendors that have translated their acquired expertise into successful technology deliveries. Being closely scrutinized by a distinguished panel of judges including CEOs, CIOs, CXOs, analysts and CIOReview editorial board, we believe that these companies have the capabilities to fulfill the need for cost-effective and flexible solutions and add more value to the Smart City landscape.

Company	Management	Description
2020 Imaging Thane, Maharashtra 2020imaging.com	Sanjeev Aggarwal, Head of Government Business	Provider of security solution for smart cities.
HFCL Gurgaon, Haryana hfcl.com	Mahendra Nahata, Managing Director	Provider of solutions for safe and smart cities, telecom networks and railways telecom networks.
Horizon Technologies Greater Noida, Uttar Pradesh horizontechnologies.in	Suddeep Dutt, Founder	Provider of solution and services for street lighting automation and water distribution management.
Inspira Mumbai, Maharashtra inspiraenterprise.com	Prakash Jain, Chairman	Provides a range of smart city solutions - from e-governance to building efficient systems and smart healthcare.
Intelizon Energy Hyderabad, Telangana intelizon.com	Dr. Kushant Uppal, Founder and MD	Provider of lithium ion based solar streetlights with IoT based solar remote monitoring, control systems and inbuilt CCTV based surveillance system.
Inventum Technologies Noida, Uttar Pradesh inventum.net	Sachin Mehra, Founder and MD	Provider of Citizen Wi-Fi, smart metering and citizen mobile applications.

Company	Management	Description
Logic Ladder Gurgaon, Haryana logicladder.com	Mayank Chauhan and Atindra Chandel, Co-Founders	Provider of software solutions for energy and environment intelligence technology.
Maven Systems Pune, Maharastra mavensystems.com	Anurag Ambedkar, VP & Business Head	Provider of smart solutions in the field of water metering, energy metering, lighting, agriculture, ambulance tracking, medical wearable, firefighting, smart parking and intelligent traffic management.
Mindteck Bangalore, Karnataka mindteck.com	Sanjeev Kathpalia, MD & CEO	Provider of product engineering, information technology and smart solution services to a top-tier Fortune 50-1000 clientele, start-ups, leading universities and government entities around the globe.
NEC New Delhi in.nec.com	Takashi Niino, President & CEO	Provider of public safety solutions and services, private network solutions, retail solutions, video wall solutions, carrier network solutions, smart energy and IT solutions.
Oorja On Move Gurgaon, Haryana oom.co.in	Y K Jain, CEO	Specializes in energy for surveillance applications like ground and pole mounted junction box, Smart poles, UPS Backups and integration of entire systems on remote monitoring system.
Phoenix Robotix Bhubaneswar, Orissa aurassure.com	Amiya Kumar Samantaray, Founder and CEO	Provider of air quality monitoring systems.
Proclivis Technology Solutions Mumbai, Maharashtra proclivistech.com	Premal Shah, Amit Gurnani, Rajesh Subuddi, Directors	Provider of mobile platform for parking solution.
Qinfra Solutions Bangalore, Karnataka qinfrasolutions.com	Saurav Lenka, Business Head	Provider of service integration system for smart cities.
Quality Theorem Bangalore, Karnataka qualitytheorem.com	DBV Narasimham, Y. Sathyanarayana	Provider of solutions for management of verticals like water, waste, energy, mobility and health for smart city.
Spice Digital Noida, Uttar Pradesh spicedigital.in	Dilip Kumar Modi, Chairman	Provider of IoT-enabled m-Governance, financial, enterprise and healthcare solutions for smart cities.
Tractebel Brussel, Belgium tractebel-engie.com	Olivier Biancarelli, CEO	Provider of energy transition and innovation solutions, hydropower and water solutions, nuclear facility solutions, power and gas solutions.
Veolia New Delhi veolia.in	Patrick Rousseau, CEO & MD	Provider of water,waste and energy solutions for industries. Rendering services for Energy, waste and water management for municipalities and commercial buildings.
Videonetics Technologies Gurugraham, Haryana videonetics.com	Dr. Tinku Acharya, Founder & MD	Provider of Intelligent Traffic Management System and smart urban video analytics powered by AI and Deep learning.
ZiFF Technologies (subsidiary of ZiFF eServe Pvt. Ltd.) Mumbai, Maharashtra ziff.co.in	Zeba Farooq Khan, Director	OEM and Manufacturer of 4G industrial routers, IoT products and Gateways. And provider of end-to-end solutions focused on IoT Communication technology, WiFi on Wheels, Smart city, Intelligent Transport, Smart Ambulance, Smart AMT Machines Networking.

Oorja On Move: Engineering Green Energy Solutions for Smart City Projects

Smart city development demands uninterrupted energy supply to run its daily operations. Conventional energy sources are expensive; it is fast depleting and will become extinct in the near future. Futuristic needs of smart city calls for adoptable, low maintenance and continuous energy supply to fulfill the energy requirements of city in cost effective and sustainable way. Y K Jain, CEO of Oorja On Move (OOM), is driving the company to cater to the need of efficient green energy solution for smart city projects.



Y K Jain,
CEO

Speaking about the company's vision, Jain says, "For us at Oorja On Move, customers' needs drive the product innovations and strategy. Our approach is to find out solutions in a most cost-effective and sustainable way."

The company specializes in energy for surveillance applications like ground and pole mounted junction box, Smart poles, UPS Backups and integration of entire systems on remote monitoring system. For the ground

and pole mounted junction box OOM uses smart lithium batteries and solar power.

The team at OOM is led by Jain who has engineered and designed energy positive green buildings and has been awarded for his contribution in Solar PV advisory. He has also been an Energy consultant for Kota Smart City. The team strengthens with Mr. Prashant Arya (MD) and Mr Nish-eeth Goel (Director) the experts in the domain who bring diverse experience and wisdom to develop innovative technological solutions.

Commenting on the expertise and motivation of the OOM team, Mr. Arya says, "The domain understating of Power, Energy, Infrastructure, Telecom, Metal & Mine sectors etc. and deep technology understanding on Power (Generation / T&D / Storage), Energy Efficiency, Automation, Communication, Security and Surveillance etc. helps the team in 360 degree visualization of local conditions and to deliver economic, durable smart city energy solutions."

The team has successfully delivered various smart city projects in Ahmedabad. It has also delivered its services of green power to telecom towers and banking branches across India. "The pan India presence of the team has helped the company deliver its services on a timely basis which has earned it a reputation of trusted vendor by most leading India brands," adds Mr. Goel.

The success of a business lies in the strategic planning of upcoming products to meet the needs of the future. OOM anticipated that the growing demand of renewable mix in the en-

ergy sector will require the support of storage. As per the anticipation, Oorja team embarked into Li-based energy storage since inception. As a result of that, the company has successfully deployed 1MWh equivalent ESS in telecom sector and few banks.

Commenting on the company's successful implementation of storage products, Mr. Arya says, "Tracking the trends and researches going around helps us in better predictions of future advancements and preparedness." He further elaborates about the research and development practices adopted by the team saying, "Since we operate and maintain our assets 24x7, we have first-hand feedback and learning from these deployments. We keep interacting at various forums and keep us updated with the advancements in the technologies, their pros-cons, challenges encountered by fellow users and the remedies worked."

The company has also ventured into Solar Equipment (Inverters) manufacturing in addition to the storage, JB's and Solar street lighting. Now it also supports the young entrepreneurs in Green Energy field by providing "All in One Box" Solutions i.e. Solar Kits, Design & Engineering, Hand holding, Training, lease financing support and trained manpower for project execution.

The company has two of its products in pipeline, engineered for green energy solutions: EV charging stations for two and three wheelers powered with renewable energy along with battery swap stations, and a zero waste RO system designed to reduce water wastage in housing societies. **OR**