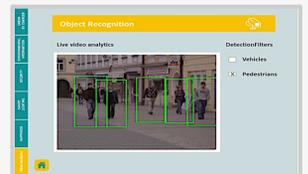
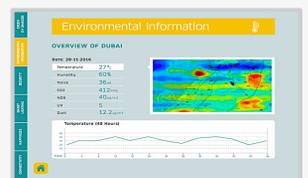
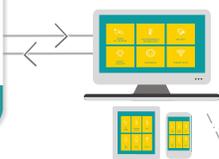




Enabling Smart Cities

## Manarati – Innovative infrastructure for Smart Cities.

Cities worldwide are looking for smart solutions to enhance the quality of life. Manarati provides smart city solutions by combining street furniture and a smart software platform. Manarati is seamlessly integrated into existing city landscape, whether it's a vibrant downtown boulevard, a shopping area, a residential community, or a recreational area.



The Manarati Platform provides a cockpit control unit of smart city assets in the form of a responsive dashboard. A two-way communication interface that enables full control of features and provides analytical data such as air quality, traffic density, EV charger usage, and more.



Manarati has a portfolio of smart poles that cater to different settings and requirements. We partnered with leading designers to provide our technology in customizable designs that fit oriental, contemporary, and modern settings. All Manarati Smart poles include the latest innovations in Smart City technologies. Carefully crafted to include top-of-the-line smart solutions that serve both today and tomorrow's needs of cities and citizens.



Design by  
**PORSCHE DESIGN  
STUDIO**



### Environmental Intelligence

Air quality tracking, environmental heat maps and health awareness messages. Enabling environmental analytics for public and private sector



### Green and Smart Mobility

Electric vehicle charging and billing, autonomous vehicles support, parking support, traffic intelligence via video analytics



### Efficient LED Lighting

Time-scheduled, energy efficiency, motion light sensor, dim and hue adjustment



### Infotainment / Advertisement

Video screens and push notifications for personalized advertisement, info services, and push notifications



### Video Analytics

Traffic and pedestrian counting and recognition, parking spot availability recognition



### Security

Live-feed with pan and zoom, snapshots and interaction with screen, loudspeaker



### Emergency Support

Emergency button that connects to authorities with visual and audio support.



### Happiness

Visual Happiness recognition; encourages people around the pole by friendly voice interaction and inspiring quotes on screen



### Connectivity

Connectivity for people and the "internet of things" with Wi-Fi, fiber optics, 4G/5G, Mesh Network.



### Speech Interface

Interactive AI agent, positive messages i.e. "thank you for charging"

“The smart poles combine multiple innovative features that support smart-city infrastructure according to the highest international standards.”

HE Saeed Mohammed Al Tayer  
MD & CEO Dubai Electricity and Water Authority (DEWA)



The Manarati Node is an innovative connectivity box that blends perfectly with existing street furniture as a retrofit solution. It enables extended coverage of smart city solutions by creating a Mesh network that deepens the connectivity making the smart city network more reliable. The Node provides Wi-Fi, mesh connectivity, and environmental sensors. Additional add-ons could include traffic sensors and vehicle-to-infrastructure connectivity which broadens the capacity for Internet of Things (IoT) connectivity and allows for increased innovation in Smart City technology to benefit citizens.



Visit [www.smart-manarati.com](http://www.smart-manarati.com) to request further information

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