



Unleashing the IoT Potential

As the world moves towards connected societies, smaller or larger organizations engage in the latest IoT technologies, in order to seize the opportunities created in the new era. Smart societies aim at economic development, operational efficiencies, public safety and community engagement to improve the quality of life for residents. Emerging technologies and technology innovation are the key to producing these outcomes.

The constantly increasing number of connected smart devices and the evolution of connectivity technologies make imperative the use of an agile IoT orchestration platform capable of managing and controlling this complex and challenging IoT infrastructure. IoT platforms are solutions that connect devices and collect, combine and manage data from different domains providing a unified view and enabling IoT applications.

uiTOP™: Unified IoT Orchestration Platform as a Service

Intracom Telecom's Unified IoT Orchestration Platform (uiTOP™) constitutes the horizontal IoT layer, allowing for advanced management and control of Intelligent Things from different vertical domains. The platform aims at enabling IoT applications focusing on Massive IoT and Smart City infrastructure (Lighting, Parking and Waste Management), Noise, Traffic and Transport, Environmental Monitoring, as well as Energy and Water Management. uiTOP™ leverages its powerful Unified API to enable the communication with a wide range of devices, sensors, and actuators from various vertical domains using different connectivity technologies (long and short range connectivity in the licensed or unlicensed spectrum, e.g. 3G/4G/5G, LPWAN, Wi-Fi). Furthermore, it enables the creation and hosting of advanced smart applications. uiTOP™ Unified Management & Control environment provides aggregated information related to smart assets, allowing for actionable insights using extensive vertical specific Reporting & Analytics.

uiTOP™ KEY FACTS



**>20K SMART
RULES IN USE**



**>4.5M DAILY
TRANSACTIONS**



**CONTROLLING
THOUSANDS OF
SMART ASSETS**



**NUMEROUS
INSTALLATIONS IN
SMART CITY & UTILITIES**



Key Characteristics

- Unified IoT & Smart City management & control environment enabling multiple device connectivity options
- Core and optional modules enable flexible packaging to satisfy the different IoT providers' needs
- Cloud-hosted (Public, Private or Hybrid), multi-tenant solution, with advanced security
- Ready to accommodate new smart apps and devices facilitating the enablement of vertical and cross-domain applications
- Containerized micro-services based architecture, with processes overload & prioritization mechanism, allowing for high performance
- Fully customizable to address specific IoT and Smart City needs
- Easily integrated with any existing IoT infrastructure.

uiTOP™ Functions & Features

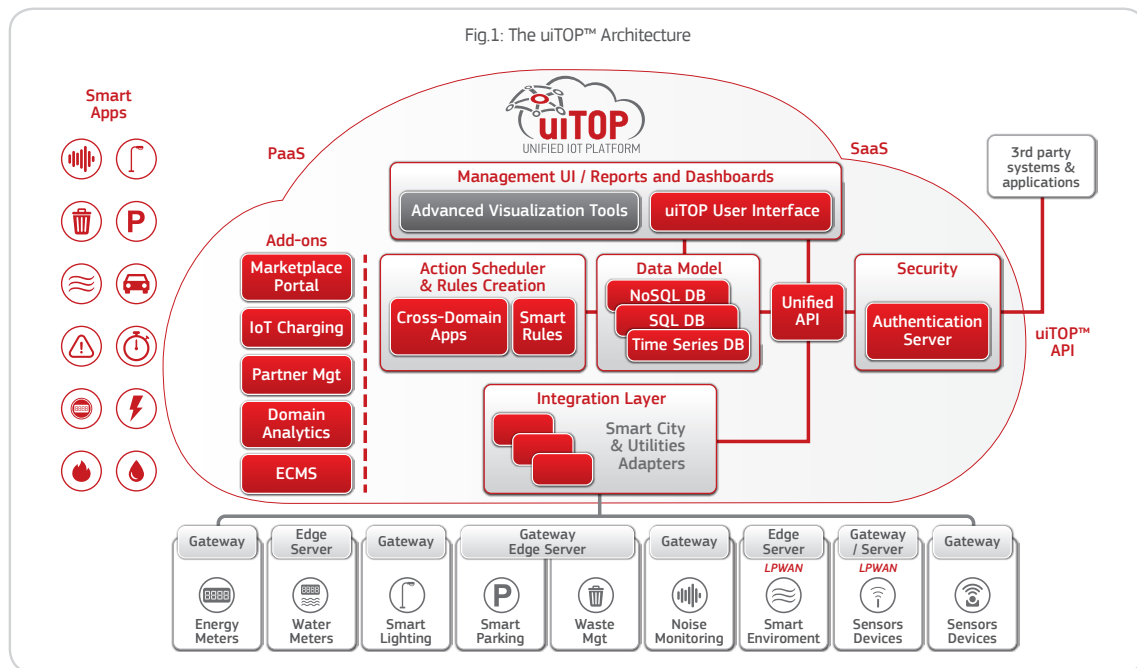
- Advanced data visualization framework providing a centralized view of different IoT devices
- Unified IoT API (platform entry point) and API Developers portal
- Unified Data Modelling, Collection, Storage & Exposure
- Insightful customizable dashboards with powerful data analytics capabilities
- Advanced device grouping and filtering options - Intelligent search engine
- Customized alarms and notifications - Advanced actions scheduler

- Smart rules engine allowing for cross-domain rules definition
- Rich set of customized reports providing a comprehensive view of smart assets and allowing for decision making and action taking.

Benefits

- Edge2core IoT management and control from the device up to the smart application layer
- Decoupling business from technology: New business models facilitation and new monetization options introduction
- Minimum dependency on legacy silo vertical solutions - No device vendor lock-in
- New revenue streams creation through smart apps enablement
- Effective operational planning & head off problems before they occur, based on Simulation and Digital Twins. Decision making capabilities through insightful data analysis
- End-2-end Security ensuring the authentication of devices as well as the protection and integrity of data.
- Significant OPEX reduction by improving operational efficiency and introducing a risk-averse culture
- Efficient energy & water resources management resulting in environmental friendly policies and significant cost savings.

For more information contact us at IoT@intracom-telecom.com



About Intracom Telecom

Intracom Telecom is a global telecommunication systems and solutions vendor operating for over 40 years in the market. The company has become the benchmark in fixed wireless access and it successfully innovates in the 5G/4G wireless fronthaul, backhaul and small-cell SON backhaul international arena. Intracom Telecom offers a comprehensive revenue-generating software solutions portfolio and a complete range of ICT services, focusing on IoT, SDN/NFV, Big Data analytics & data-driven intelligence, and Smart City solutions. The company also addresses the Energy & Utilities industry, emphasizing on smart metering & end-to-end IT solutions. Intracom Telecom is also active in the defence systems sector providing security integrated systems for critical infrastructure protection and border surveillance. The company has extensive know-how and a proven track record serving more than 100 renowned customers in over 70 countries. Intracom Telecom maintains own R&D and production facilities, and operates subsidiaries worldwide.