The urban challenge

The turn of the century marks the first time in human history when more than half of the human population lives in urban areas. This number is expected to reach well over 70% in less than 40 years. Although urban population soared in the last 25 years, in most places city management disciplines have remained unchanged. In more advanced municipalities, some digital systems have been incorporated but they are isolated with no holistic situational management.

As a result:

- Diminished sense of safety
- Traffic / parking problems
- Air pollution level is rising
- Significant water waste occurs
- Inefficient waste management is the norm

Cities are seeking solutions that will improve community quality of life and cost efficiency of services leveraging urban informatics and technology.

“Integration is the key enabler and the biggest challenge to creating a safe or smart city”.

(source: Frost & Sullivan)

mCity - the future-proof choice for smart cities

The smart city revolution is on its way. As Industrial IoT continues to break new ground, cities cannot afford to stay behind. Featuring vendor-agnostic software architecture with acquired know-how and a proven track record in multidisciplinary fields, mPrest supports the full range of city assets and systems in use today. Our best in class smart city application is specifically designed for seamless integration with new systems as they become available.

- Flexible system of systems
  Holistic view of all the city’s assets and processes through unified monitoring, analytics and optimization, correlating multiple city disciplines and domains.

- Future-proof architecture
  Highly adaptive to changes through easy integration with new and existing sensors and assets from different vendors.

- Field-proven
  Globally deployed applications successfully managing millions of sensors 24/7/365 in a single instance in most rugged environments.
One-stop smart city as a service for CSPs and SIs

mPrest introduces mCity – a unique, cloud based smart city as a service (SaaS) application for Communications Service Providers (CSPs) and System Integrators (SIs)

- Smart City connectivity infrastructure – user and data basic utilities
- Correlation and analytics – smart prediction using advanced rules engine
- Application layer - incorporating a centralized city-level and distributed department-level situation management with mobile Apps for the city teams and citizens.

SaaS model benefits for CSPs and SIs:

CSPs make the ideal smart city service providers for municipalities, possessing both the required infrastructure, technical manpower and support capabilities.
- Synergistic new engine of revenue growth
- Quicker deployment with pre-tested, out-of-the-box applications
- Higher profitability leveraging existing infrastructure and manpower
  - Fixed/wireless infrastructure
  - Technical support experience

mCity benefits for municipalities

mCity application combines data from the modern city’s fast-growing network of sensors and monitoring systems with advanced algorithms and analytics. This creates new opportunities for municipalities to cut costs through optimized resources consumption, make better decisions with smarter planning, engage residents with a smart city mobile app, and improve overall quality of life and services for citizens.

In addition, mPrest’s SaaS Smart City model offers unique benefits for municipalities:
- Quicker time to market – pre-tested applications, no need for costly tenders
- Lower TCO – saving resources leveraging CSP’s technical capabilities
- Options for pay as you grow and OPEX based business models

Ultimate operator empowerment

mPrest’s mCity system of systems provides operators adaptability and flexibility beyond compare. Featuring drag and drop rules engine, analytics, smart prediction, simulation manager, among other tools, mPrest enables operators to run limitless systems and subsystems with minimal training and support.
About mPrest

mPrest is a global provider of mission-critical monitoring, control and analytics software. Leveraging vast field-proven Industrial IoT experience, mPrest’s integrative system of systems is deployed in diverse sectors including utilities, critical infrastructure protection and defense. mPrest excels at integrating the dots across multiple disciplines – delivering a unified situational awareness, sophisticated analytics, and end to end IT/OT integration and process management.

Through unprecedented interoperability and real-time data optimization, organizations can substantially increase asset performance while reducing operational costs. In addition, mPrest applications enable organizations worldwide to better manage their security, asset health, mobile assets, distributed energy resources, smart cities and more.

Limitless Smart City Applications

- Citizen’s Safety & Security
- Anti-theft
- Panic Button
- Video Management Systems
- Smart Parking and Transportation
- Environmental Monitoring
- Hot Spot Management
- Waste Management System
- Water & Smart Irrigation
- Public Sentiment Platform
- Smart Street Lighting
- Municipal Fleet Management
- Citizens Call Center
- Assets Maintenance Management (gardens, bus stops, etc.)