SCALABLE SMART ANALYTIC APPLICATION BUILDER FOR SENTIENT CITIES

Snap4City keeps under control and supervises the real-time city evolution, to get immediate insights and deductions of the city status on multiple domains: mobility and transport, environment, waste, security, energy, government, tourism, culture; which are capable of influencing each other and, in critical conditions, can suffer of cascade effects.

**Snap4City Tools**
- Data aggregator
- Big Data Analytics, Artificial Intelligence
- Any IoT Devices, IoT Applications
- Dashboards and control room management
- Decision Support Systems & Strategies

**Snap4City Quality**
- Living Lab, Co-Working, Community Management
- Easy to transform data into value for the city
- 100% Open Source and interoperable by design
- Compliant with any standard, protocol, format
- Secure, flexible, modular, scalable and GDPR compliant
- Efficient in serving small scale cities and large regions

Snap4City improves city services, security and safety by a sustainable solution for Smart City and Living Lab exploiting ultimate technologies of big data analytics, semantic computing and machine learning to produce sentient solutions in the hands of your stakeholders.

Snap4City supports the city in the process of continuous innovation on services and infrastructures, through the control and supervision, business intelligence, predictions, anomaly detection, early warning, risk assessment, and also setting up strategies for increasing city resilience with respect to unexpected unknowns, taking actions from strategies and alarms, thus supporting the whole decision-making processes.

**Connect**
- IOT/IOE
- Upload context
- Open Data

**Connect external Services**
- Advanced Smart City API
- Run Applications & Dashboard
- Monitor City Platform

**experiments**
- networking
- agreements
- Advanced Smart City API
- Run Applications & Dashboard
- Monitor City Platform
- experiments
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- agreements
- Advanced Smart City API
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**Start-ups**
- Research groups
- City Operators
- Large Industries
- Collaborations

**Licensing, Gold Services**
- personal services

**Case Studies**
- Inhouse companies
- Resource Operators
- partnerships

**Community Building**
- subscription to applications

**Produce City Applications & Dashboard**
- Develop applications & dashboards
- Promote applications & dashboards

**Set Up: ETL & Data Analytic Algorithms**
- Collaborative Platform
- Early Adopters

**Smart City Course, October 2018**
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Snap4City provides support for Living Labs and Co-Working environments for internet of things/everything (IOT/IOE) technologies, IOT App, and Big Data Analytic in smart city and Industry 4.0 environments by:

- creating a collaborative context among several cities, stakeholders and international experts
- involving users and stakeholders in exploiting, producing, sharing data and services
- sharing experiences, tools and solutions, shortening the time needed to find novel solutions, carry out data analytics and develop IOT Applications, and smart solutions

Snap4City is a proactive partner and technology provider for cities and regions, aimed to establish sustainable data/service ecosystems in which city and stakeholders can exploit resources to set up valuable services, free from the vendor lock-in problems.

**LIVING LAB AND CO-WORKING**
- DISIT Lab – University of Florence
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  - https://www.disit.org
  - Tel +39 335 5668674, +39 055 2758515
  - Tel +39 055 2758516, Fax +39 055 2758570
  - email: snap4city@disit.org
100% OPEN SOURCE URBAN PLATFORM: SMART CITY AND LIVING LAB

- LOCAL GOVERN
- STAKEHOLDERS
- CITY USERS
- IN-HOUSE
- ENERGY OPERATORS
- MOBILITY OPERATORS
- COMMERCIAL OPERATORS
- SECURITY OPERATORS
- INDUSTRIES
- RESEARCHERS
- START-UPS
- ASSOCIATIONS

IOT APPLICATIONS • INSTANT APPS
- PERSONAL DATA • DATA DRIVEN • REAL TIME • ANY PROTOCOL & FORMAT

DASHBOARDS & APPLICATIONS
- CONTROL ROOM • KPI • BUSINESS INTELLIGENCE • DECISION SUPPORT • WHAT-IF ANALYSIS

MOBILE & WEB APPLICATIONS
- DEV KIT • SUGGESTIONS • USER ENGAGEMENT • COWORKING • SMART APPLICATIONS

MICROSERVICES & ADVANCED SMART CITY API
- SMART SOLUTIONS • PREDICTIONS • ANOMALY DETECTION • TRAFFIC RECONSTRUCTION • ORIGIN-DESTINATION MATRIX
- SOCIAL MEDIA ANALYSIS • OFFER & DEMAND ANALYSIS • RISK & RESILIENCE ANALYSIS

LIVING LAB - DEV TOOLS - COWORKING
- IOT DIRECTORY • SERVICE MAP • RESOURCE MANAGER • DATA GATE • R STUDIO • ETL

BIG DATA ANALYTICS
- SMART SOLUTIONS • PREDICTIONS • ANOMALY DETECTION • TRAFFIC RECONSTRUCTION • ORIGIN-DESTINATION MATRIX
- SOCIAL MEDIA ANALYSIS • OFFER & DEMAND ANALYSIS • RISK & RESILIENCE ANALYSIS

SMART MICRO-APPLICATIONS – OPEN TO EXTERNAL SERVICES
- SMART PARKING • ROUTING • PERSONAL ASSISTANT • INFOMOBILITY • ALERTING • INFO TRIAGE

KNOWLEDGE BASE OF THE CITY
- OPEN DATA • GIS+MAP DATA • PROPRIETARY DATA • PERSONAL DATA • IOT / IOE • INDUSTRY 4.0 • SOCIAL MEDIA

KM4CITY DATA AGGREGATOR, KNOWLEDGE BASE OF THE CITY

www.snap4city.org - www.km4city.org