

## DistrictNex Platform - Unique and Key Features



### Introduction

Picacity AI's **DistrictNex** platform is **A Unified Decision & Control Digital AI Platform** that scales from Buildings / Campus / District to City **Operations Centres**.

Enabling our customers, **from** Real Estate portfolio owners **to** Districts and Cities to **holistically manage their Physical Assets and deliver business results** including **improved Planning and Decision making, Operational efficiency, Sustainability and energy efficiency, Safety & Security, etc.**

### DistrictNex Unique and Key Features

#### 1. Architected and Built from the Onset as a Holistic Platform catering for the intricate requirements of Large Enterprise and Public Sector customers:

- **Cloud native fully containerized microservices for portability, security and scalability.**
  - Applying the **principle of 'separation of concerns'** at the **SW architecture** across the platform's Front-End, Business Logic, Data-Access, and Data-Management layers
- **Secure by design, data trust/isolation and PIA compliance**
- **Architected to scale** for large portfolio owners – **Multi-tenant, Ability to Configure Sub-organizations** (portfolio projects)
  - Operators / Admins **provision Organizations, Organization Admins**, and organization-related **portfolio objects**, as well as modules and functional **access credentials**.

#### 2. Ability to Extract the embedded value in the existing data:

- Provides the capability to **Holistically Unify and Integrate** existing investments in "smart" Systems and integrate existing data.
  - Agile **API-based Connector Model**
  - **Pre-built and extensible Connectors** for common Systems

- Totally **HW agnostic** with the ability to tap into **IoT, leading-edge and legacy devices**, across point-solutions and associated systems.
  - **Native geospatial attribution to all data points and operational metrics, with a hierarchical data model that automatically mimics the portfolio's geography, from rooms/floors and buildings to campuses and districts, and all the way to cities and regions.**
- **Embedded AI featured and applied at several Layers:**
    - **Extensive Video AI** features for **Safety and Security**, as well as **Mobility use cases**.
    - **ML** applied both at data input and output layers to deliver **data integrity, anomaly detection, insights and analytics, predictive models**, etc.
    - **Generative AI** featured to provide the ability to “interrogate in natural language” providing additional **insights and reporting** for decision-making.
    - **Advanced AI Agentic** functionality to enable “**AI Agents**” to **continuously monitor and perform “workflow” automation**.
    - **Actionable Insights:** Users can easily aggregate, visualize, analyze, compare, and forecast key performance indicators, as well as respond to alerts and anomalies detected
3. **Out-of-the-box integrated Digital Sustainability, Safety/Security and Mobility Services:**
    - Modular and integrated set of Digital services covering the main **Asset control and optimization** requirements for asset, sustainability, and security managers.
      - **Sustainability Services:** Energy consumption, Equipment performance, CO2 emissions, ESG reporting, etc.
      - **Safety/Security Services:** Incident/Alert management, Video AI features Object/behavioral/facial recognition, etc.
      - **Mobility Services:** Occupancy/Space utilization, People and Vehicle flow, etc.
  4. **Immersive 3D/Digital-Twin UI/UX, a highly intuitive and interactive interface:**
    - Highly intuitive UI providing the **natural ability to engage** with the platform, **seamlessly navigate both portfolio and data landscape** and achieve desired outcomes efficiently.
  5. **Modular pricing and an Agile implementation cloud-native SaaS model:**
    - Modular and **optimized pricing model** enabling customers to **scale out** functional capabilities in conjunction **with business needs**
    - **Agile rollout** capability delivering **production-ready** environment **in weeks**
  6. **DistrictNex** runs natively on **AWS, Google Cloud and Microsoft Azure**, as a **Multitenant** digital platform enabling us to **scale globally**.

**Contact Us:** For more information on how DistrictNex can transform your asset management and operations, visit our website at [www.picacity.ai](http://www.picacity.ai) or contact us at [info@picacity.ai](mailto:info@picacity.ai)