NETIX.AI

THE SMART MOVE

YOUR IoT & AI SOLUTIONS PARTNER

SANJEEVV BHATIA GROUP

Distribution

Products & Technology

System Integration/ Services

Exenture Global

TEKNOWARE®

NETIX.AI THE SMART MOVE

ODS Global

WHO WE ARE

NETIX.AI is an IoT & AI based automation solution provider, leverages its innovative strategies, analytic algorithms and brand agnostic solutions to transform your facilities into safe and sustainable edifices.

OUR SOLUTIONS

- IoT and AI Solutions for Buildings & Industrial
- Enterprise Solutions
  - iCCC – SaaS based Command Control Center
    - Property Management Platform
    - Asset Management Platform
    - Energy Management Platform
    - Facility Management Platform
- Leading the BMS Transformation – Legacy System Upgrades
- Smart Cities - Connected Buildings & Remote management
- iBMS – intelligent Integrated Building Management System
- Smart Meters, Smart Thermostats & Gateways
- NETIX AI Sustainability Financed Solutions

NETIX – IoT & AI SOLUTIONS PROVIDER

Legacy System Upgradation

ESTEEMED BANK - 11 BUILDINGS INTEGRATION

Enterprise Solutions

CITYWALK - 15 BUILDINGS INTEGRATION

Remote Connectivity

AL WASL - 93 BUILDINGS INTEGRATION OVER RF NETWORK OVER **50 sqKm**

Right To Repair

MAZAYA - 3 TOWERS INTEGRATION

Our Financed Models

At NETIX.AI, we aim at providing flexibility to meet the expectation of the customer. We offer a wide range of customized fully financed models by taking into consideration the potential savings of the facility.

POPULAR MODELS

iIBMS as a Service - 3 Year Contract*

Under this model, NETIX.AI will finance the IoT, Automation and/or BMS Transformation solutions, offering the upgrades as an individual service for the facility.

The customer will enter into a monthly fixed amount re-payment plan with NETIX.AI, for a contract duration of 3 years. The re-payment amount will be agreed by both parties and will include the cost of the solutions, commissioning and annual maintenance fees.

iIBMS & Energy as a Service – 5 Year Contract*

In the scenario that higher savings can be achieved at the customer's facility through the implementation of other energy conservation measures, NETIX.AI will undertake the financing and commissioning of all the conservation measures, including the Netix IoT, Automation and/or BMS Transformation solutions.

The re-payment amount will be agreed by both parties and will include the solutions, commissioning and annual maintenance fees of NETIX.AI Platform and other energy upgrades as suitable to the facility.

BMS & Energy Upgrades on Shared savings model – 10 Year Contract*

This model includes the implementation of a full-fledged Energy Savings contract, based on the potential savings of the facility. NETIX.AI will undertake the complete financing of the project, both in terms of CAPEX and OPEX. NETIX.AI has in-house engineering strengths, enhanced by reliable manufacturers of various solutions. Re-payment of the upgrades will be made based on the performance of the project, with energy and other building OPEX savings to be split between both parties at pre-agreed ratios.

NETIX.AI Industrial Exchange (NIX)

What is the NIX product?

A ***connectivity platform*** to simultaneously collect actual process, machine, and shop floor data from multiple sources, (pre-) process, store, and forward to multiple internal and external third-party applications and services.

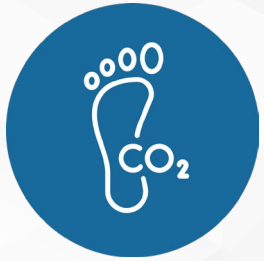
-Enables ***remote monitoring***, and quick decision-making and provides ***data feed*** to any ***dashboarding*** tools and ***advanced analytics*** applications.

Benefits

Realtime Energy Monitoring and Production visibility

Insight driven Decision making

Improved line/machine asset utilization



Reduction in Carbon Footprint

Resilient and compliant modern architecture to support 24 x7 operations

Automation integrated (PLC, IoT..)

The NIX platform offers the following abilities:

CREATE YOUR OWN DATA MODEL

NIX platform provides a framework for you to define your equipment, materials, processes, and the relationships between them

COLLECT YOUR PLANT FLOOR DATA

NIX connects to your equipment and existing industrial historians, collecting time series and event data from your plant floor using the configuration of the central data model.

INTEGRATE YOUR BUSINESS SYSTEMS

Your business uses more than just time series data. When you connect other data sources like your ERP and quality systems into your configuration, **NIX** "stitches" them together in the model removing inefficient data silos

BUILD OF DEPLOY YOUR USE CASE APPLICATIONS

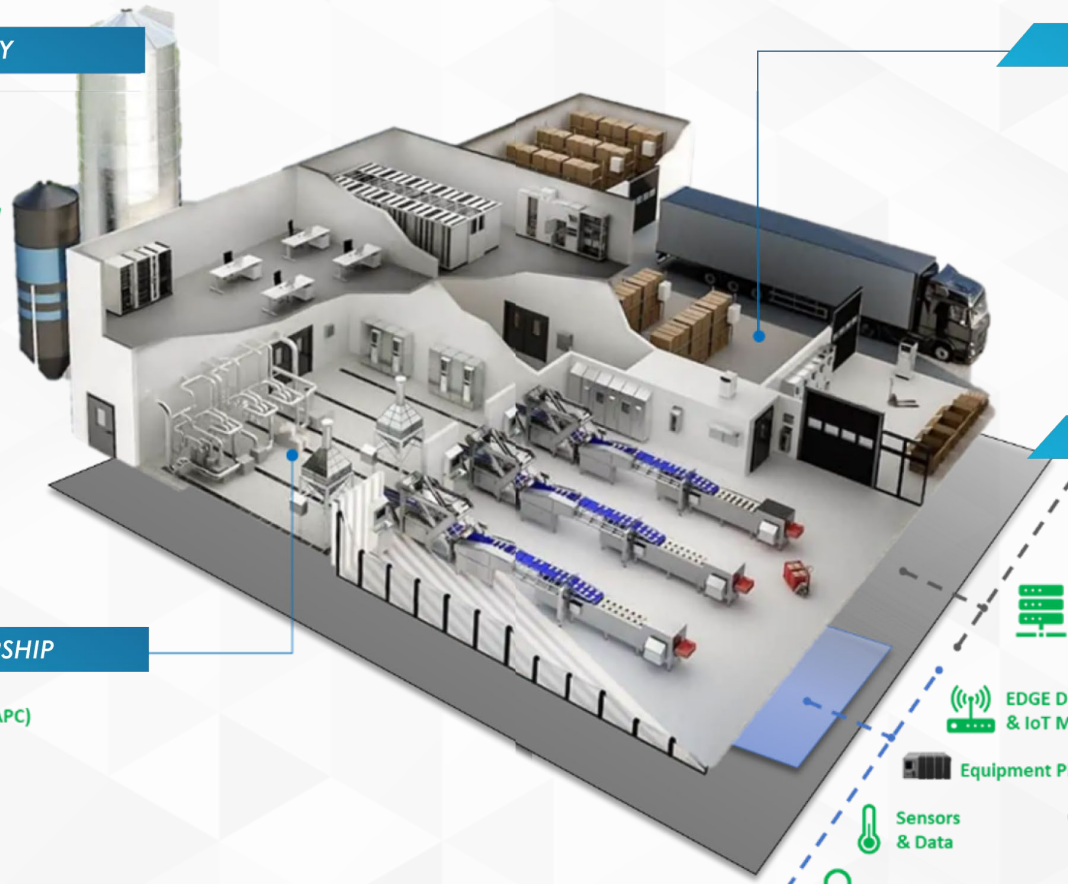
"Headless" backend for manufacturing that provides all your data through one API.

You can buy, customize pre-built applications, if they suit your business or build your own.

SCALE YOUR SYSTEM

NIX is built to provide infinite horizontal scaling without adding servers and license costs

Digital Connected Factory



CONNECTED FACTORY

- Mobile Operator Dashboard
- Realtime Production Visibility
- Paperless Workflows
- Predictive Maintenance
- Labour Planning
- Remote Support

PROCESS MASTERSHIP

- Advanced Process Control (APC)
- Digital Twin
- Simulation Tools
- Data Analytics for Process Insights

CUSTOMISED PRODUCTION

- End of Line Automation
- Flexible process lines
- Automated Vehicles

TECHNOLOGY FOUNDATION

- SAP ERP Integration
- Plant Integration
  Historian, SCADA, MES
- EDGE Devices & IoT Management
- Equipment PLC
- Sensors & Data
- Cyber-security
- Central Leveraged Platform
  - Data lake
  - Multi-system integration
- Wired & Wireless Infrastructure

Challenges for Multiple Property Owners

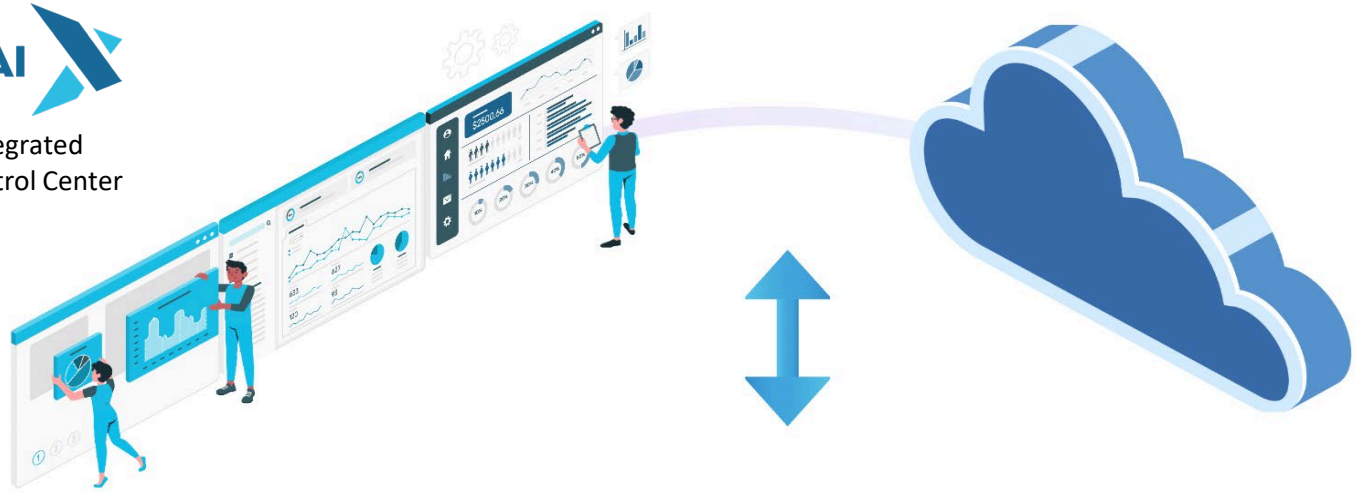
LOCALIZED BMS

- Geographically dispersed asset base
- Limited view of entire facility performance
- Very high Monitoring costs due to distributed systems
- No provision for data analytics/ machine learning/ predictive alerts
- Limited data on Energy consumption
- Limited monitoring of site equipment performance
- No real-time alerts for issues
- Limited compliance reporting/ lack of oversight
- Separate systems not linked together
- No single overview for Management Information

NETIX.AI SOLUTION

NETIX.AI

Intelligent integrated
Command & Control Center

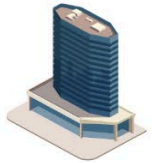


NETIX.AI

SaaS NETIX.AI Platform Hosted
on the Hybrid Cloud

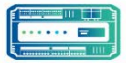
Dedicated Client TCP/IP Network

HONEYWELL



SIEMENS

JOHNSON
CONTROLS



SCHNEIDER
ELECTRIC

TREND

Predictive Maintenance

> Creates Algorithms to initiate proactive maintenance
> Generates Automatic Work orders based on events

Machine Learning & AI

> Automatic equipment analysis
> Increases efficiency and reduces maintenance & energy costs

KPI/Dashboards

> Defined KPIs for Operational control
> Provides report KPIs, Historical analysis & trends

NETIX.AI

Remote Alarm Management

> Creates Algorithms to initiate proactive maintenance
> Generates Automatic Work orders based on events

Future Provisions

> Provision to connect all other building systems like Access control, CCTV, Fire Alarm etc.
> Provision for predictive customer management

Operations & Control

> Take over control of systems remotely to operate as per SME advice
> Ability to change setpoints
> Maintenance histories
> Past potential problems
> MTBF / MTBR

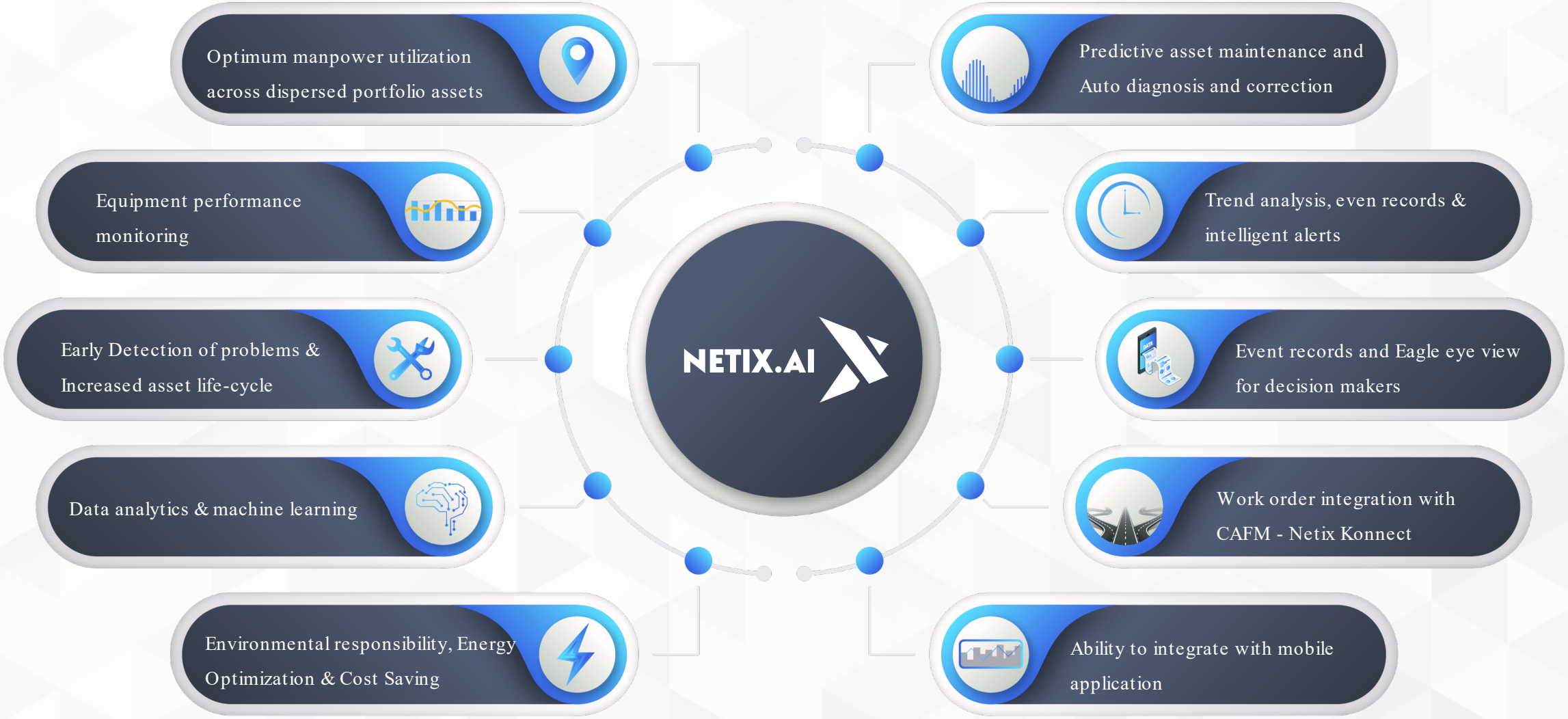
In-depth auto diagnosis

> Identifies cause of alert
> Identifying potential problems
> Identifying remedies
> Sends full information to the CMMS system for technician reference

Easy Access

> Access to Community Management team anytime, anywhere
> Easy and quick access to information for key decision making

NETIX.AI Deliverables



NETIX.AI

Real-time Fault Detection and Diagnostics

Optimize your operations with fully automated, context-aware monitoring

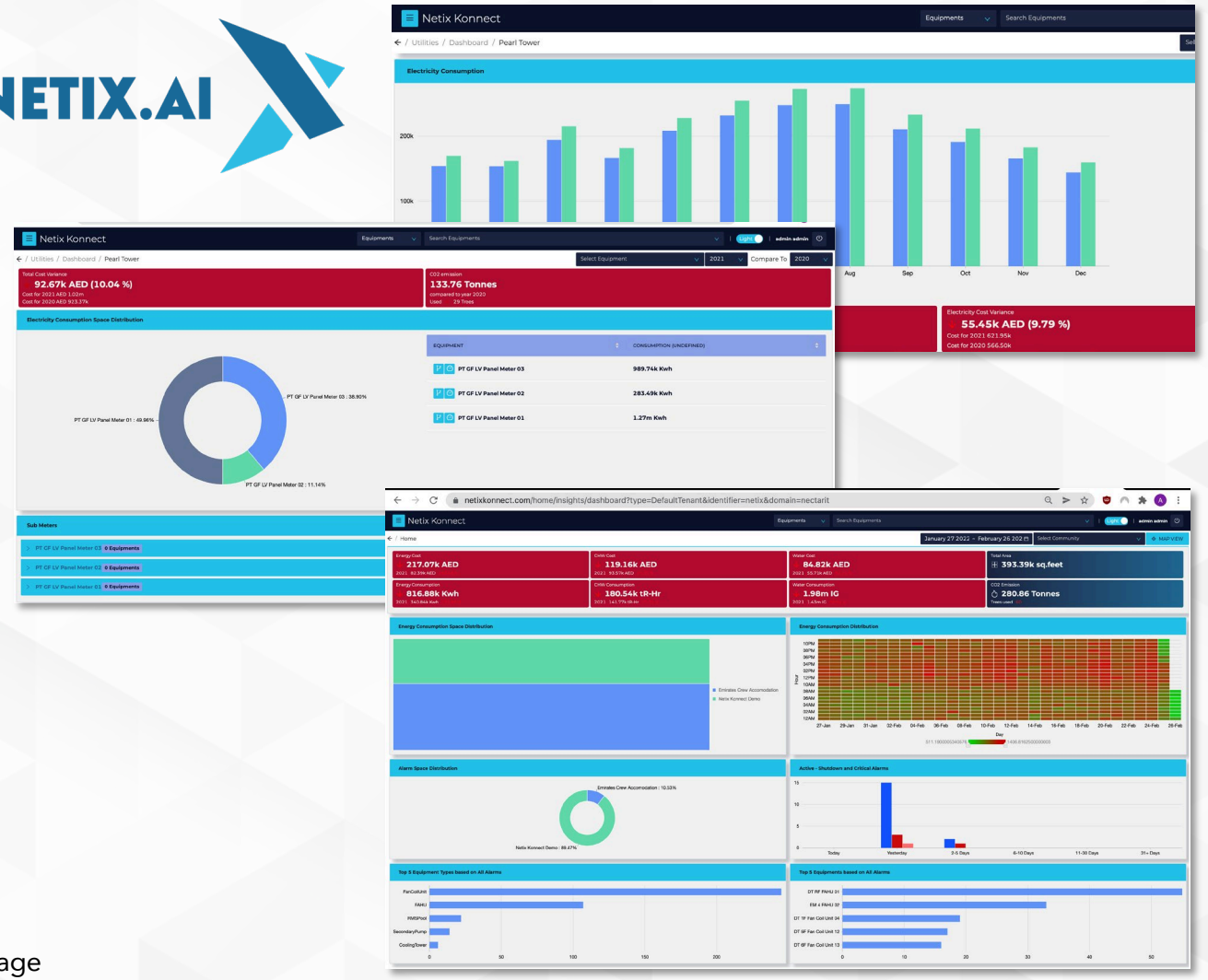
Real-time Alarm Management

- AI & ML driven alarm correlation and real-time diagnosis
- Intelligent false alarm differentiation and root cause analysis

Intelligent Workflow Automation

- Extensive FDD + asset rule library for simple and complex conditions
- Smart workflow Engine to automate complex use cases
- Real-time condition/threshold based monitoring for improved asset life

Energy Performance Analytics & Reporting



Portfolio-wide centralized insights

- Live metrics and insights on portfolio-wide centralized dashboards
- Baseline comparison to track ideal asset and energy performance across portfolio

Drill-down Performance

- Drill-down and peak energy analytics with consumption heatmaps
- EnPI based regression analysis and performance benchmarks

Fully customisable Dashboards and Reporting

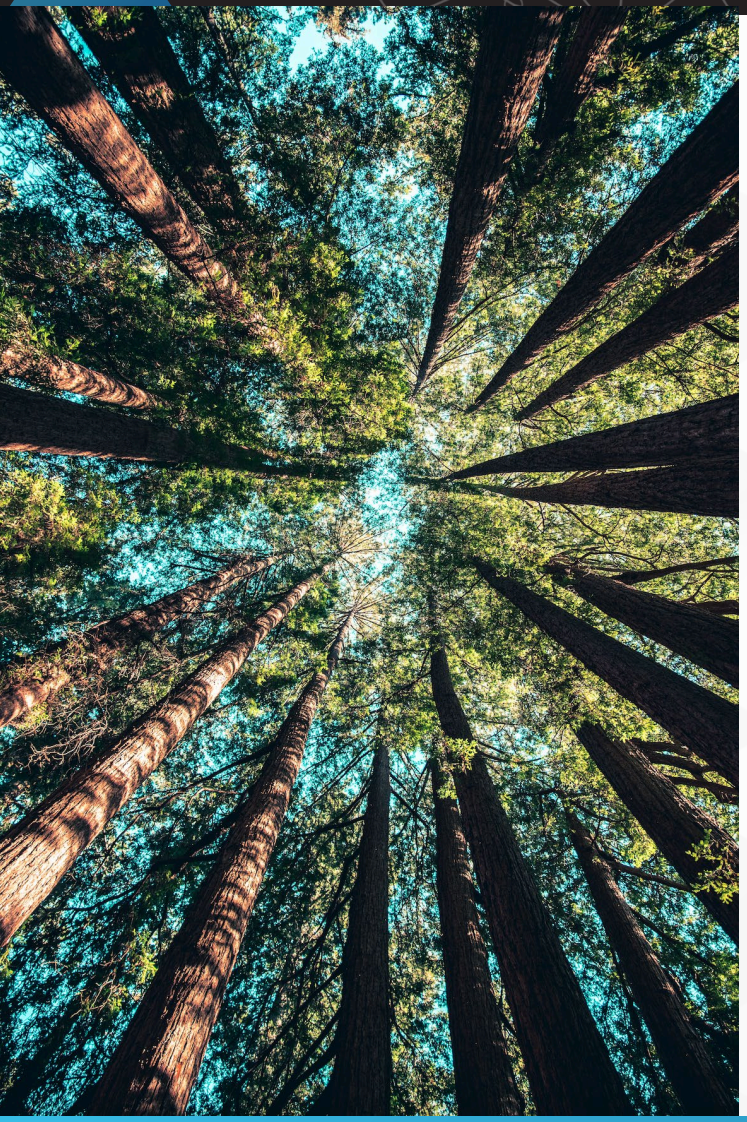
- Intuitive UI to customise and create widgets or reports on your own
- User-defined text, image and readings based cards
- Role-based sharing of dashboards with operators and supervisors on same page

NETIX.AI
THE SMART MOVE

ACHIEVE
TRUE SUSTAINABILITY
WITH NETIX.AI
NETIX.AI
THE SMART MOVE

DRIVING ESG WITH NETIX.AI

ENVIRONMENT SOCIAL GOVERNANCE



40-50%

Reduction on Building Operational Costs

10-15%

Reduction on Building Energy Profiles

80%

Reduction on critical breakdowns using predictive condition algorithims

30-40%

Enhancement of manhour utilization through fault detection diagnostics

Reduced manpower related OPEX

- Reduced Energy Costs
- Reduced FM costs
- Optimised Manpower
- Detailed Records
- Monitored Equipment Performance

The above statistics are site-specific and liable to vary.

NETIX.AI
THE SMART MOVE

SUCCESS STORIES

ODS Global, NETIX.AI Platinum Partner, is successfully managing the preventive maintenance of the BMS across multiple properties from EMAAR portfolio. Being a NETIX.AI Platinum Partner enabled ODS Global to be a vendor neutral service provider.

- Optimized operations and enhanced the performance output of BMS & ETSacross 30 plus Communities, 5 Master Communities serving 20,000 villas and close to 200 buildings. The platform currently hosts 40k assets & 400,000 data points managing optimization of assets and energy efficiency.

- Maintaining 5 different brands of BMS with equal efficiency and approach, similar to the manufacturer's guidelines:
  Honeywell | Siemens | Trend | Johnson Controls | Schneider

- Managed and undertaken to upgrade systems with as little intrusion as possible, enabling a seamless transition at minimal cost.

- Improved life cycle of the DDC controllers and field peripherals, helping in reducing downtimes of the BMS.

SUCCESS STORIES

When ODS Global started the project, as NETIX.AI Platinum Partner, multiple towers had their BMS systems offline. ODS has successfully managed to bring the systems back, online, with minimal cost impact to the client. This enabled DAMAC to save a considerable amount on the energy bills of these properties.

- Optimized operations and preventive maintenance for 30 buildings
  Performed maintenance for 7 different brands of BMS, resulting in streamlined and centralized asset management.
- Honeywell | Alerton | Siemens | Sauter | Saia Burgess |Schneider | Centraline
- Improved the life cycle of fixed assets.

SUCCESS STORIES

ODS Global, NETIX.AI Platinum Partner, won the upgrade and maintenance of 3 Mazaya Towers' buildings, where the client saved 75% of their costs since they didn't have to replace the complete system, by upgrading to Netix Solutions instead.

- Integration of all the systems and assets of three towers onto the AI-powered intelligent integrated Command and Control Centre; maintenance of the same.
- Achieved proactive, organized and systematic management of energy use in all three towers.
- Transformed facilities into smart connected building system.

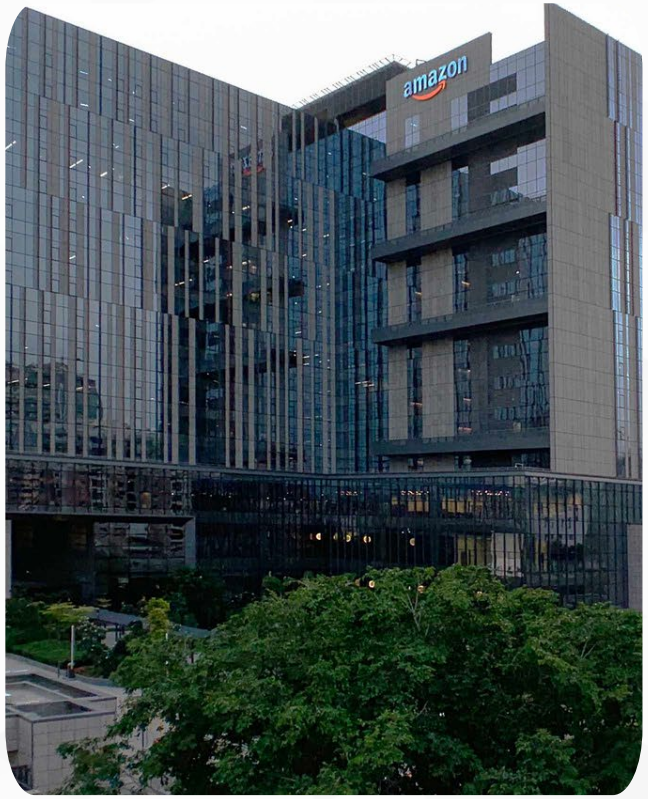
SUCCESS STORIES

تـــداول
Tadawul

ascendas

Google

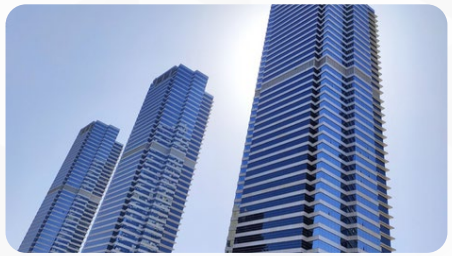
SUCCESS STORIES



amazon.in

KEY REFERENCES UAE

First Abu Dhabi Bank, Abu Dhabi,
UAE



Mazaya Business Avenue, Dubai,
UAE

City Walk, Dubai,
UAE

Al Jaddaf Residence, Dubai,
UAE

Tadawul Tower, Riyadh,
KSA

Emirates Airlines Staff Accommodation, Dubai, UAE

DWC Headquarter Building, Dubai,
UAE

Masdar City, Abu Dhabi,
UAE

Darwish Tower, Doha,
Qatar

Mirdif City Centre, Dubai,
UAE

93 Al Wasl buildings, Dubai,
UAE

Etisalat Digital 77 buildings, Dubai,
UAE

OUR CLIENTS

citibank

Google

MERAAS

JLL

تداول
Tadawul

Schindler

DAMAC

CBRE

MAERSK
LINE

katara

LuLu
Where the world comes to shop.

HDFC BANK

amazon

MERAAS

تداول
Tadawul

EMAAR

Standard
Chartered

بروج دبي
DUBAI
FRAME

اتصالات
etisalat

مترو دبي
Dubaimetro

Masdar
A MUBADALA COMPANY

Deutsche Bank

ascendas

STL

NETIX.AI

THE SMART MOVE

The Netherlands - HQ

Beechavenue 115, 1119RB, Schiphol-Rijk,
Tel: +31 6 85436139

Canada

46 Annual Circle, L6X 2M2
Brampton, Ontario
Tel: +1 514 582 9868

Dubai

Suite No. 404-410, Diamond Business Center,
Block A, Arjan, South Barsha
Tel: +971 4 580 2129

Abu Dhabi

Office No. 703, Silverwave Tower
P.O. Box: 37072, Mina Road
Tel : +971 2886 4748

India

Office Unit No.411, V Times Square, Sector 15
CBD Belapur, Navi Mumbai,
Tel: +91 22 4968 7447