



DECREE 11

AI FOR AUTONOMY



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1 UPGRADE THE OT SENSORS

Good Data In = Good Data Out

- **INTEGRATED COMPLIANCE REQUIREMENTS**
- **MANDATORY SUB-METERING STANDARDS**
- **FIRE SAFETY MONITORING REQUIREMENTS**
- **ENVIRONMENTAL MONITORING STANDARDS**
- **DATA PROTECTION & CYBERSECURITY COMPLIANCE**

DUBAI MUNICIPALITY'S GREEN BUILDING
REGULATIONS COMBINED WITH THE AL
SA'FAT GREEN BUILDING RATING
SYSTEM REQUIRE MINIMUM SILVER
CERTIFICATION FOR ALL NEW
BUILDINGS SINCE SEPTEMBER 2025,
AND BRONZE SINCE 2020.

In order to meet compliance under the newly issued **DECREE 11**, managing emissions, strengthening ecosystem capacity, modern technology, data sharing related to emissions & cooperation is required in order to mitigate the adverse effects of climate change.

<https://uaelegislation.gov.ae/en/legislations/2558/download>

Commercial Buildings operate in a constant state of reaction, **costing 3–5x** vs predictive & pro-active maintenance programs. Source: Deloitte 2022

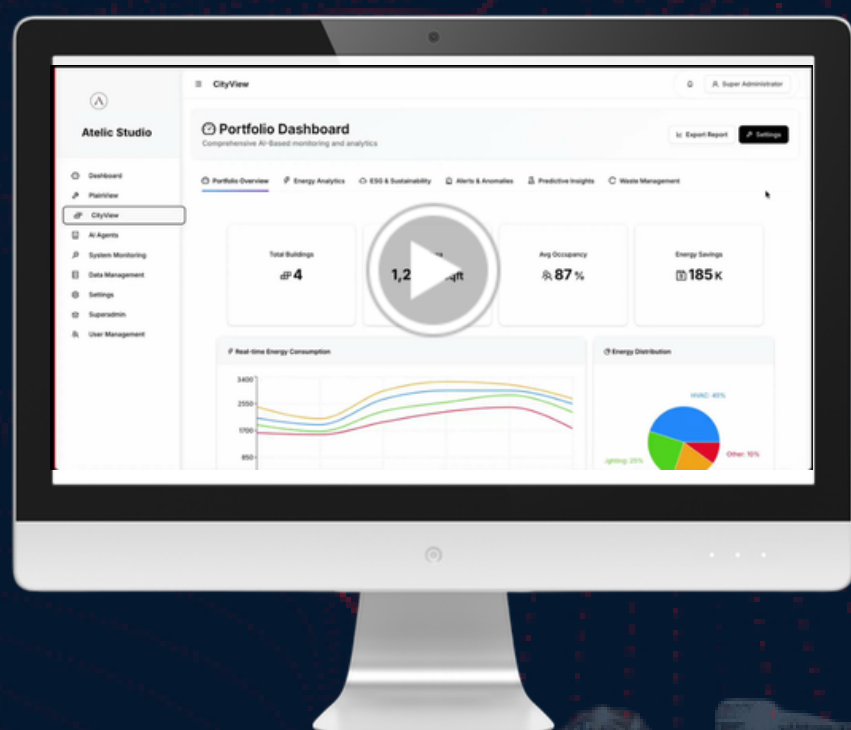
As such, we have built a comprehensive Sensor + AI **Readiness & Retrofit** program for all buildings in the UAE.





2 ESTABLISH REPORTING PARAMETERS

- A new **color-coded** rating system.
- **Compliance** raises upfront costs but reduces expenses long term.
- Following guidelines & maintaining Third party **certification** is a must.



The **ATELIC STUDIO PLATFORM** collects & displays all key metrics for DECREE 11, creating a clear overview & one-click ESG reporting.



3 MEASURE EVERYTHING

Data Collection & reporting is the start.

Baseline Data from Electricity consumption, HVAC, Air Quality monitoring, Waste Mgmt, Water usage allow for patterns to emerge over time which can allow for trend, anomaly detection & automation of services with operational excellence.

Anticipation of demand, mitigation of excess & elimination of wastage is part of the dashboard recommendations.

Full autonomy begins when **AI automates** repair requests, parts ordering, climate control & full workflow management & reporting.





4 AI REDUCES FRICTION

But any Infrastructural AI must be...

Secure by design & Resilient by default

- Zero-trust architecture, OT-grade cybersecurity, continuous threat detection. Meaning no single point of failure across energy, mobility, utilities, & public services.

Edge-first intelligence, Hybrid & Sovereign

- Real-time decisions where data is generated, even when connectivity is lost. We work on-prem + private cloud + public cloud, aligned with data residency regulations.

We deliver fast, simple, secure AI with accountability

Agentic systems that explain, verify, & optimize, no black boxes.





UNLOCK AUTONOMY

For a demonstration of our **Digital Twin Platform** for Smart Cities & Industry. Contact me.

I'm looking forward to hearing from you.

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