



ADVANCED AI ANALYTICS ENGINE

Unlock the Power of Contextual Intelligence

GRADIS is a Polish technology company and the creator of a universal, predictive AI analytics engine powered by proprietary graph grammars.

Our system goes beyond simply integrating and correlating data from any source (SCADA, AMI, IoT, GIS). What truly sets it apart is its ability to **contextualize every single data point**, unlocking advanced analytics driven by geospatial, historical, financial, and social insights.



One Engine. Three Core Applications.

I. Intelligent Lighting Management

FROM DATA COLLECTION & DESIGN TO MANAGEMENT

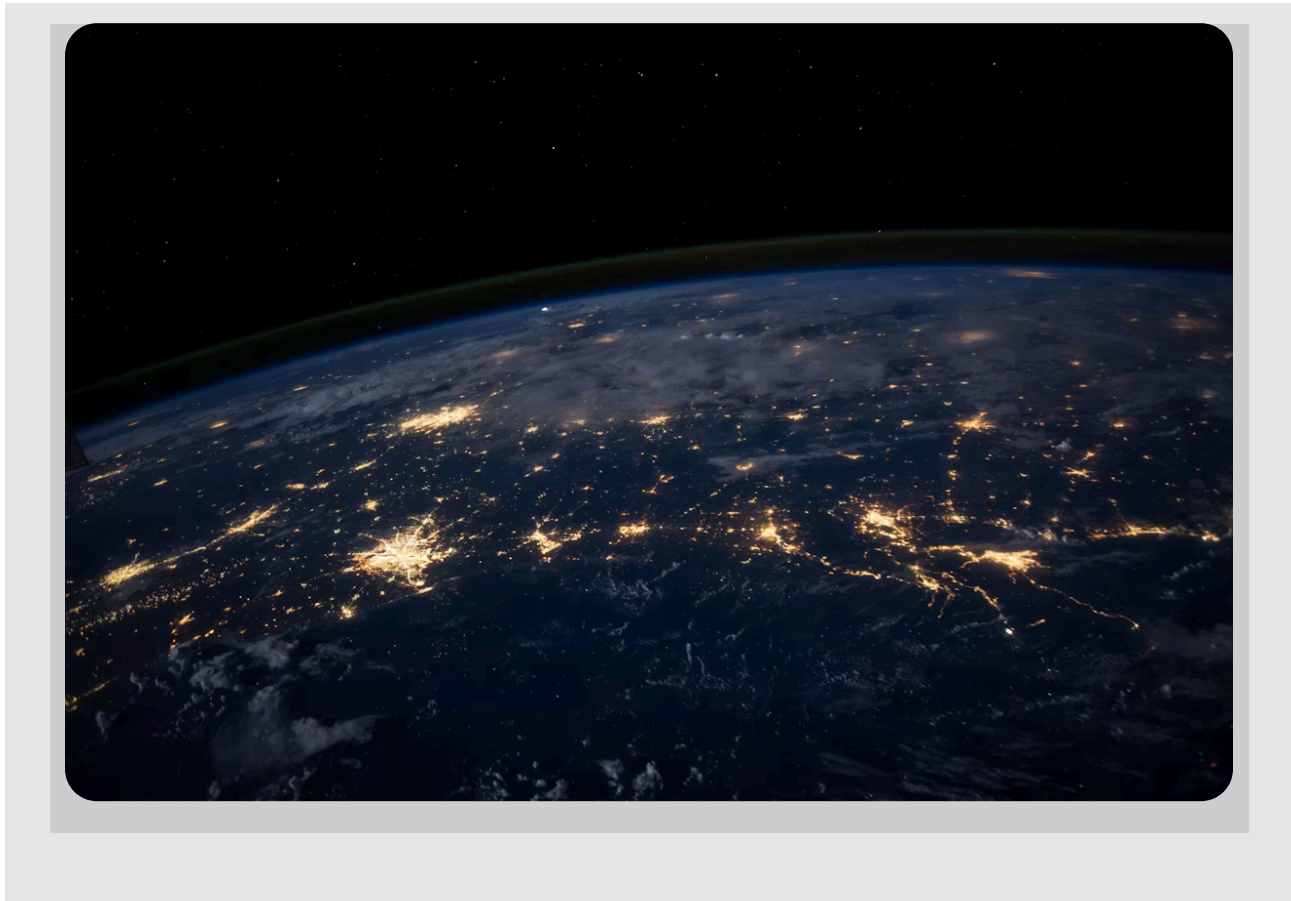
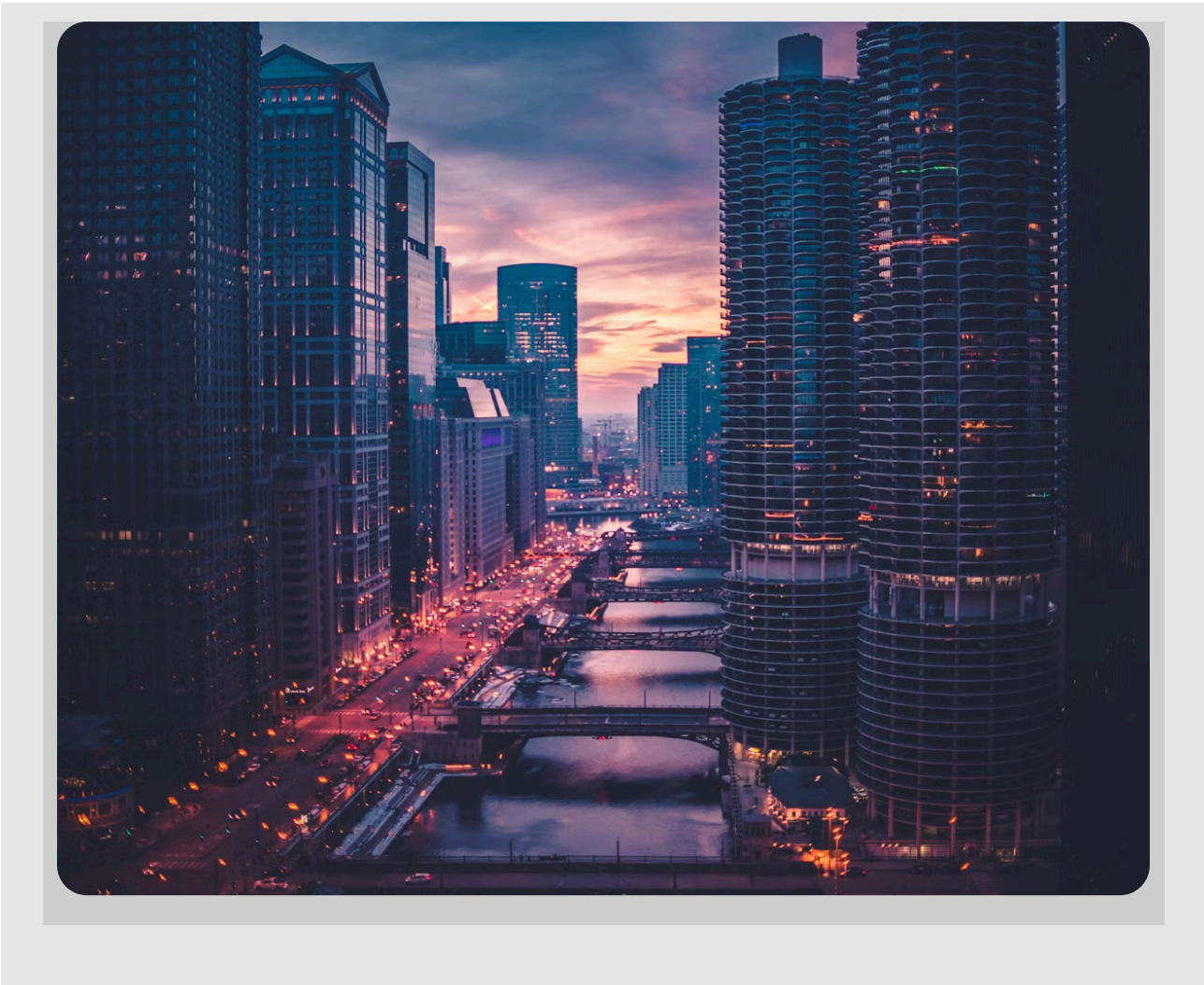
What we do:

We provide a comprehensive platform to automate the modernization and management of lighting infrastructure—spanning from inventory and mass design to control, monitoring, and failure prediction.

We have built a **proprietary calculation engine** that processes hundreds of thousands of light points in mere hours—this is 1000× faster than traditional tools (like DIALux/RELUX). The system operates seamlessly for both outdoor (street) and indoor (buildings, halls, offices) lighting.

What you gain:

- ↓ Energy consumption reduction: **70–80%**
- ↓ CAPEX reduction: **10–15%**
- 🕒 Return on Investment (ROI): **12–18 months**



2. Predictive Grid Management

We deliver the critical predictive layer that standard management systems lack to Distribution System Operators (DSOs). We predict grid overloads, minimize network losses, and help avoid regulatory (URE) penalties.

Crucially, the system operates effectively on incomplete data by intelligently reconstructing missing gaps. This means operators can actively manage the grid without waiting for 100% infrastructure coverage.

Our predictions achieve unmatched accuracy precisely because they provide data with deep context.

Impact Metrics:

- 📉 Reduction in penalties & network losses: **30–40%**
- 🌿 Reduction in RES (Renewables) curtailment: **10–20%**
- 💰 CAPEX Savings (investment deferral): **15–20%**

3. Dynamic Decision Platform

What we do:

We provide a platform that dynamically supports decision-making processes based on robust data correlation and contextualization.

The system automatically determines optimal investment locations (Predictive Siting), prioritizes workflows, assigns dynamic weights to assets, and updates them automatically the moment field conditions shift—for instance, when a new critical asset (like an energy storage facility or military base) appears on the map.

We also deliver this strategic layer for security and safety projects—optimizing sensor placement, prioritization, and deployment scheduling on a macro scale.

Strategic Advantages:

- ✅ CAPEX Optimization: **10–15%**
- ✅ Operational cost reduction: **15–25%**
- ✅ Investment ROI increase: **Up to 30%**



The Bottom Line

In today's landscape, merely correlating data is no longer a competitive advantage. It's just the baseline.

True optimization is driven by context.

If your current systems only connect the dots without understanding the environment around them, you are leaving massive value on the table. GRADIS AI delivers the missing layer of contextual intelligence, ensuring you don't just process your data, but unlock its maximum potential.

Discover Your True Potential



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Proprietary AI Analytics & Graph Grammars.