



**There is a way to  
do lighting better**



**gradis**



# GRADIS AI platform:

**AUTOMATIC Design**

**We do it BETTER and FASTER  
than human designers**

what we provide





**9% lower CAPEX**



**26% lower OPEX**



**faster ROI**



**81% energy savings**

**unique value**





# TBLISI

110 000 lighting points

**DESIGN**  
**in hours**



**time is money**

designs

inventory

management

integration



**Ways**

Origin: 4315872  
 Street name: 永福路71號23號  
 Highway: residential  
 Length [m]: 84.56  
 Footway: ..  
 Surface: ..  
 Surface @ [idm2]: Insert value  
 Comment: Insert value  
 Cut way into segments by crossings

Select all segments within 300m

**Segments**

1  
 Id: 3300654-6347-5d87-ae3-4643748c3847  
 Way ID: 67622967-a159-59f5-af4b-29757cf96576  
 Label: Insert value  
 Number: 1  
 Size: 100%  
 Lanes: 2  
 Lane width [m]: 2.5  
 Future distribution: unilateral  
 Future distribution: historical  
 Future distribution: Insert value  
 Distance between poles [m]: Adjust  
 Lighting classes type: ME/FM | CE/J | S/P | Adjust

**Lighting Classes**

<input type="checkbox"/> ME1	<input type="checkbox"/> M1
<input type="checkbox"/> ME2	<input type="checkbox"/> M2
<input type="checkbox"/> ME3a	<input type="checkbox"/> M3
<input type="checkbox"/> ME3b	<input type="checkbox"/> M4
<input type="checkbox"/> ME3c	<input type="checkbox"/> M5
<input type="checkbox"/> ME4a	<input type="checkbox"/> M6
<input type="checkbox"/> ME4b	
<input type="checkbox"/> ME5	
<input type="checkbox"/> ME6	

Insert new project

**Lamps**

Poles

Id: 6b7747e4-341c-8f9d-ac55-4a161a6b63d9  
 Origin: 3541  
 Label: Insert value  
 City: Zory  
 Country: Poland  
 Height [m]: 9  
 Next pole Id: 55c35d47-6d14-5d16-acb8-41ae79200a4  
 Next pole distance [m]: 24.60335006  
 Comment: Insert value  
 Pavement: Same side  
 Width [m]: 2  
 Distance from cartageway [m]: Insert value  
 Pavement: Opposite side  
 Width [m]: Insert value  
 Distance from cartageway [m]: Insert value

**Arms**

Id: 8554c8d3-8a25-5c14-9243-24ac889c1c1e  
 Origin: 3541  
 Mounting height [m]: Insert value  
 Length [m]: 1.5  
 Inclination [°]: 10  
 Azimuth [°]: 180.519  
 Comment: Insert value

**Features**

Id: 4a75868-9f06-5cf9-8d05-4461472693b8  
 Origin: 3541  
 Number: 8  
 Power station: ..  
 Type: EcoSystem-SL 100  
 Power [W]: 250

product



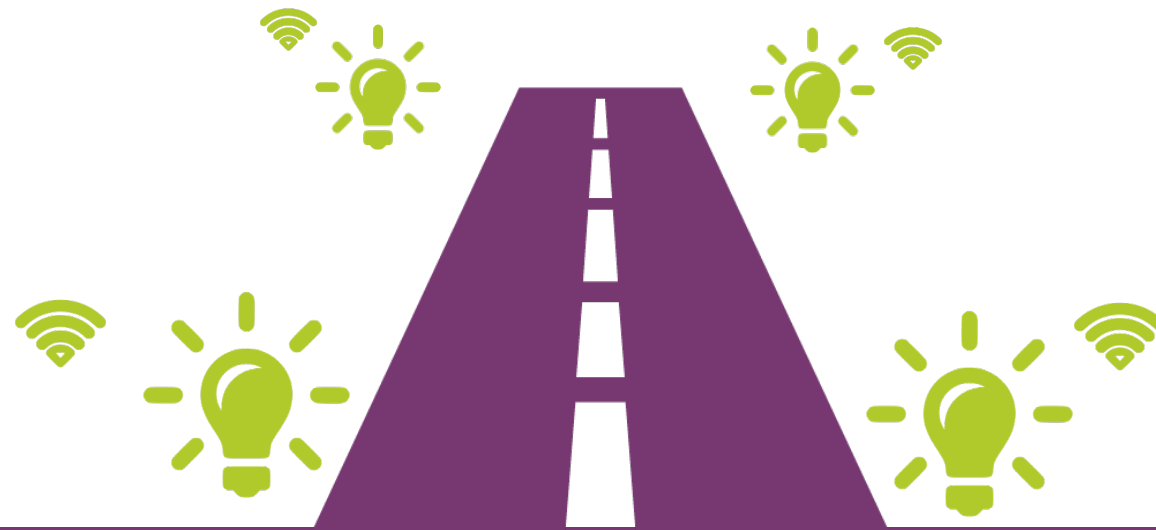


multi-variant  
and <sup>[SEP]</sup>  
multi-criteria designs

A time-based schedule of  
lighting class switching

AI decision support system  
using IoT sensors and CMS

**ALWAYS** compliance  
with CEN 13201



dynamic control

# KEY CLIENTS & PARTNERSHIPS



**Schröder**  
Experts in lightability™



GEEL



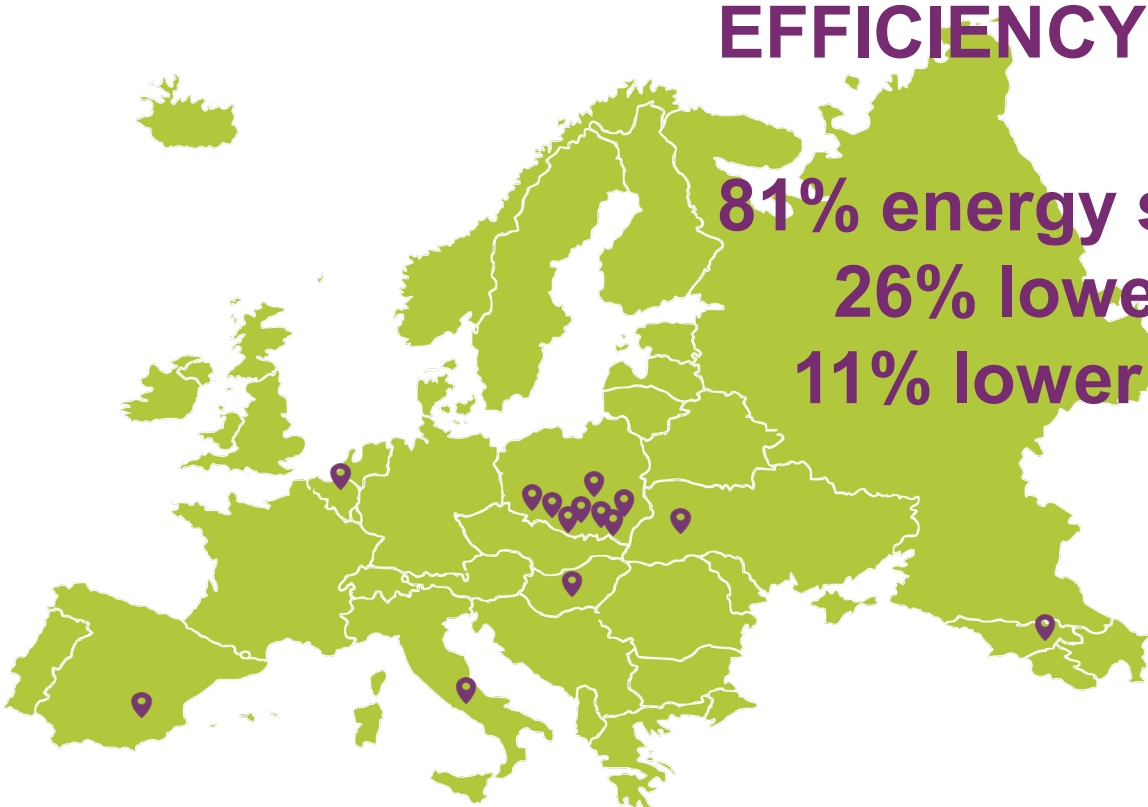
KRAKÓW



LVIV



TBILISI



reference implementations



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**we upGRADIS  
any Smart City**



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