



BUILDING
SOLUTIONS.
DELIVERING
VALUE.

Innovative thinking.
Sustainable solutions.
Lasting impact.

CORPORATE BROCHURE

Corporate Overview



CLSM Group is a technology-driven company transforming traditional infrastructure into intelligent, connected systems. Through proprietary innovation and advanced engineering, we enable cities, utilities, and industries to operate more efficiently, sustainably, and intelligently.

Our solutions bridge the gap between physical infrastructure and digital intelligence, covering smart street lighting, energy management, IoT integration, and advanced analytics helping clients optimize performance and reduce operational costs.

CLSM partners with governments, municipalities, and large-scale projects, delivering solutions through flexible **EPC** and **EPC+F models**, ensuring efficient execution, financing support, and long-term value creation.

Operating across Europe, the Middle East, and Global emerging markets, we deliver scalable, future-ready solutions that support digitalization and decarbonization.

CLSM – Turning Infrastructure into Intelligence.

Business Sectors



**Smart City
Solutions**



**Electrical
products**



**Engineering &
Construction**



Digital Solutions



**Infrastructure
investment**

CLSM – Turning Infrastructure into Intelligence.

CLSM SMART CITY SOLUTIONS

Turning Infrastructure into **Intelligence**.



OUR SOLUTION VERTICALS



**PUBLIC
LIGHTING**



**ELECTRICITY
DISTRIBUTION**



**WATER & GAS
METERING**



**TRAFFIC
MANAGEMENT**



**WASTE
MANAGEMENT**



**E-MOBILITY
INFRASTRUCTURE**



**SMART
PARKING**



**PHYSICAL
SECURITY**



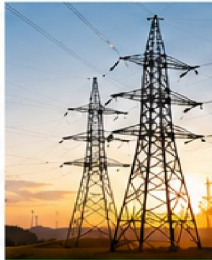
CONNECTIVITY



**ALL OTHER
SMART
APPLICATIONS**



Smart.
Efficient.
Intelligent.



Reliable.
Resilient.
Optimized.



Measure.
Monitor.
Manage.



Smart Flow.
Safer Cities.



Smart Collection.
Cleaner
Tomorrow.



Powering
Sustainable
Mobility.



Find. Park.
Go Smarter.



Protect.
Monitor.
Respond.



Connected City.
Connected
Future.



One Platform.
Endless
Possibilities.



100M+
METERS INSTALLED



1K+
SUCCESSFUL
IMPLEMENTATIONS



**GLOBAL
PRESENCE**



**PROVEN
RESULTS**



Smart Technology. **Sustainable Future.**



SMART PUBLIC LIGHTING CONTROL.

Intelligent. Efficient. Sustainable.

CLSM Elumia is a smart lighting solution based only on smart meter, patented software and driver in the LAM (Lighting Asset Module).

No IoT. No telecom.

100% coverage. Maximum efficiency.



100 MILLION+
LUMINAIRES INSTALLED



1,000+
SUCCESSFUL
IMPLEMENTATIONS



SMART METER BASED

Solution based only on
smart meter



RELIABLE & SAFE

Advanced protection
and secure operations



EFFICIENT & COST-EFFECTIVE

Lower OPEX by 50%
and energy saving



SUSTAINABLE

Reduced emissions
and smarter cities



INTEGRATED PLATFORM

Unified management
and analytics

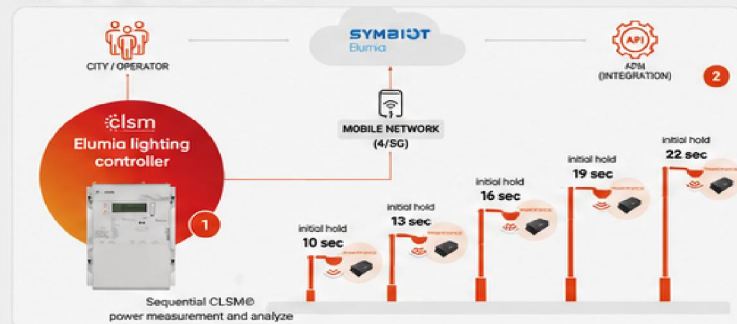


TURNING INFRASTRUCTURE INTO INTELLIGENCE.

CLSM Elumia delivers superior performance,
operational efficiency, and long-term value for
cities and communities.

HOW IT WORKS

CLSM ELUMIA CONTROLLER IN PRACTICE



1 Smart meter with patented software and driver in the LAM

2 4/5G network for integration with city / operator platforms

KEY BENEFITS



100% COVERAGE

Works on existing electrical grid – no telecom required



LOWER COSTS

Up to 50% lower CAPEX and OPEX



FAST & EASY DEPLOYMENT

No network infrastructure, quick city-wide rollout



MAXIMUM RELIABILITY

Secure, stable and maintenance friendly



FUTURE READY

Scalable solution ready for smart city applications

CLSM ELUMIA EVO (FROM SEPTEMBER 2026)



Real time programming of 100% luminaires
only on electricity



Changing of astro dimming protocol –
100% of luminaires



Every operation online – no technician
needed on field



OPEX reduction by 50%



Advanced analytics and performance insights



TURNING INFRASTRUCTURE
INTO INTELLIGENCE.



SMART METER
BASED



RELIABLE & SAFE



EFFICIENT &
COST-EFFECTIVE



SUSTAINABLE



INTEGRATED
PLATFORM

www.clsm.com



AI TRAFFIC MANAGEMENT ON STREETLIGHT POLES.

Smarter traffic. Safer cities.

CLSM AI solution analyzes traffic in real time using neural networks on streetlight poles.

- ✓ No extra infrastructure
- ✓ Lower cost, faster deployment
- ✓ Privacy protected (edge processing)



**REAL-TIME
MONITORING**
24/7



**TRAFFIC FLOW
OPTIMIZATION**
Up to 30%



**EMISSIONS
REDUCTION**
Up to 20%



**SAFETY
IMPROVEMENT**
Fewer accidents

HOW IT WORKS



KEY BENEFITS

- ✓ Uses existing streetlight infrastructure
- ✓ Quick & cost-effective deployment
- ✓ Scalable for entire cities
- ✓ Improved traffic flow & congestion reduction
- ✓ Supports smart city decision making


NEURAL NETWORKS
REAL-TIME AI ANALYSIS


**HIGH ACCURACY
& RELIABILITY**


**EDGE PROCESSING
ON POLE**


**ENERGY EFFICIENT
& SUSTAINABLE**


**SECURE & PRIVACY
PROTECTED**



 **Vehicles**
267

 **Bicycles**
34

 **Pedestrians**
128

 **Incidents**
2



SMART UTILITY METERS.

CLSM Group delivers advanced IoT metering solutions for water and gas utilities, enabling real-time monitoring, accurate measurement, and efficient management of critical resources. Smarter data for smarter operations and sustainable cities.



IoT WATER METERS



IoT CONNECTIVITY
Secure and reliable data transmission



ACCURATE MEASUREMENT
High precision and long-term stability



LEAK DETECTION
Real-time alerts and analytics



BATTERY POWERED
Long battery life for maximum autonomy

IoT GAS METERS



IoT CONNECTIVITY
Secure and reliable data transmission



TEMPERATURE COMPENSATION
Ensures accurate volume correction



TAMPER & ALARM
Built-in security and tamper detection



REMOTE MONITORING
Real-time data for smarter operations



TURNING INFRASTRUCTURE
INTO INTELLIGENCE.



www.clsm.com





COMPLETE E-MOBILITY CHARGING SOLUTIONS

Smart. Scalable. Sustainable.



SMART & CONNECTED

Real-time monitoring and remote control



RELIABLE & SAFE

Advanced protection and secure operations



EFFICIENT & COST-EFFECTIVE

Optimized performance and load management



FUTURE READY

Scalable infrastructure for tomorrow's needs



INTEGRATED PLATFORM

Unified management and analytics

HOME CHARGING

- Compact & Elegant Design
- Easy Installation
- Smart App Control
- Safe & Reliable Charging

PUBLIC CHARGING

- High Power & Fast Charging
- Multiple Payment Options
- Dynamic Load Management
- Remote Monitoring & Analytics

POLE MOUNTED CHARGING

- Space Saving
- Ideal for Urban Areas
- Easy Maintenance
- Weather Resistant

SMART PLATFORM MANAGEMENT

Unified platform to manage all your charging infrastructure from a single dashboard.



REAL-TIME MONITORING

Track status, usage and performance



USAGE ANALYTICS

Gain insights and optimize operations



ALERTS & NOTIFICATIONS

Stay informed with instant alerts



REMOTE CONTROL

Manage, configure and update remotely



SCALABLE INFRASTRUCTURE

Grow with your needs seamlessly



TURNING INFRASTRUCTURE INTO INTELLIGENCE.



SMART & CONNECTED



RELIABLE & SAFE



EFFICIENT & COST-EFFECTIVE



FUTURE READY



INTEGRATED PLATFORM

www.clsm.com



clsm | Group

SMART PARKING SOLUTIONS.

Smarter Parking. Better Cities.



SMART & CONNECTED

Real-time monitoring and remote control



RELIABLE & SAFE

Advanced detection and secure operations



EFFICIENT & COST-EFFECTIVE

Optimized utilization and reduced congestion



SUSTAINABLE

Lower emissions and smarter urban mobility



INTEGRATED PLATFORM

Unified management and analytics



ULTRA-SONIC / MAGNETIC PARKING SENSORS



- Real-time Occupancy Detection
- Low Power & Long Battery Life
- Easy Installation
- Weatherproof & Durable



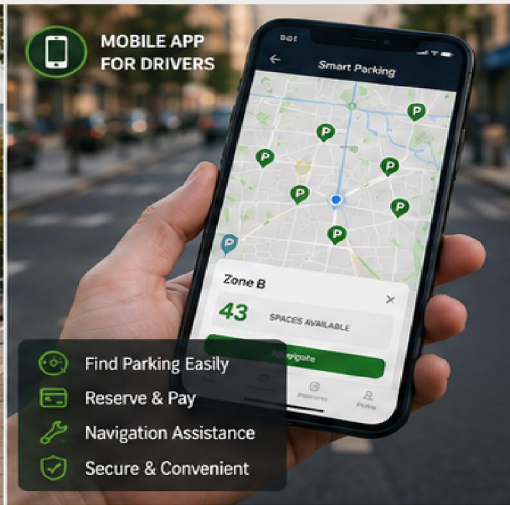
SMART PARKING GUIDANCE



- Real-time Availability
- Dynamic Wayfinding
- Reduced Search Time
- Less Traffic & Emissions



MOBILE APP FOR DRIVERS



- Find Parking Easily
- Reserve & Pay
- Navigation Assistance
- Secure & Convenient



ANPR CAMERA INTEGRATION



- Automated Entry & Exit
- Seamless Payment
- Enforcement Support
- Analytics & Reporting

SMART PLATFORM MANAGEMENT

Unified platform to monitor, manage and analyze your entire parking ecosystem from a single dashboard.



REAL-TIME MONITORING

Live parking data and system health



ANALYTICS & REPORTS

Actionable insights and trend analysis



ALERTS & NOTIFICATIONS

Instant alerts for events and issues



PAYMENT & REVENUE

Flexible payments and revenue management



SCALABLE INFRASTRUCTURE

Built to grow with your city



TURNING INFRASTRUCTURE INTO INTELLIGENCE.



SMART & CONNECTED



RELIABLE & SAFE



EFFICIENT & COST-EFFECTIVE



SUSTAINABLE



INTEGRATED PLATFORM

www.clsm.com





AI WASTE MANAGEMENT ON STREETLIGHT POLES.

Smarter waste. Cleaner cities.

CLSM AI solution optimizes waste collection using neural networks on streetlight poles.

- ✓ No extra infrastructure
- ✓ Lower cost, optimized collection
- ✓ Privacy protected (edge processing)



REAL-TIME
MONITORING
24/7



COLLECTION
OPTIMIZATION
Up to 35%



EMISSIONS
REDUCTION
Up to 28%



CLEANER CITIES
BETTER LIVING
Healthier environment



NEURAL NETWORKS
REAL-TIME AI ANALYSIS



HIGH ACCURACY
& RELIABILITY



EDGE PROCESSING
ON POLE



ENERGY EFFICIENT
& SUSTAINABLE



SECURE & PRIVACY
PROTECTED



Bins monitored
1,248

Collections optimized
-35%

CO₂ reduced
-28%

Time saved
+40%

Overflow incidents
-90%

HOW IT WORKS



AI camera on
streetlight pole



Neural networks
(edge processing)



Fill-level detection
& classification



Optimized collection
routes



Analytics & alerts
in real time

KEY BENEFITS

- ✓ Uses existing streetlight infrastructure
- ✓ Quick & cost-effective deployment
- ✓ Scalable for entire cities
- ✓ Optimized routes & lower operational costs
- ✓ Reduced emissions & environmental impact
- ✓ Supports smart city decision making





CONNECTING COMMUNITIES. ENABLING SMART CITIES.

CLSM 5G/6G Street Radio is a compact, energy-efficient solution designed to integrate with existing lighting infrastructure and deliver high-capacity, reliable connectivity for smart city applications and next-generation networks.

5G/6G SIGNAL BOOSTER

Extends coverage. Increases capacity.
Brings connectivity to the last mile.

5G READY

6G READY



SMART CONNECTIVITY

5G/6G | Zigbee

ENERGY EFFICIENT

Low Power
Consumption

SECURE & RELIABLE

Built for
Urban Environments

SCALABLE SOLUTIONS

Future-Ready
Infrastructure



SMALL CELL BACKHAUL

High-speed backhaul
for small cells



ENVIRONMENTAL SENSORS

Monitor air quality, noise,
temperature and more



VIDEO SURVEILLANCE

High-definition video
for safer cities



TRAFFIC & UTILITY MANAGEMENT

Smart control and monitoring
of urban infrastructure

5G/6G SIGNAL BOOSTER

BOOSTS COVERAGE

Eliminates dead zones

INCREASES CAPACITY

Supports more users
and devices

LAST MILE SOLUTION

Ideal for operators to
extend their network
cost-effectively

Powered by existing street lighting. No fiber. No new poles. Fast deployment.



LOW POWER



SELF-HEALING



MESH NETWORK



WIDELY ADOPTED



Powered by Zigbee for low-power,
reliable wireless communication.





AI PHYSICAL SECURITY ON STREETLIGHT POLES.

Smarter security. Safer cities.

CLSM AI solution detects, analyzes and responds to security events in real time using neural networks on streetlight poles.

- ✓ No extra infrastructure
- ✓ Faster response, real-time alerts
- ✓ Privacy protected (edge processing)



NEURAL NETWORKS
REAL-TIME AI ANALYSIS



HIGH ACCURACY
& RELIABILITY



EDGE PROCESSING
ON POLE



ENERGY EFFICIENT
& SUSTAINABLE



SECURE & PRIVACY
PROTECTED

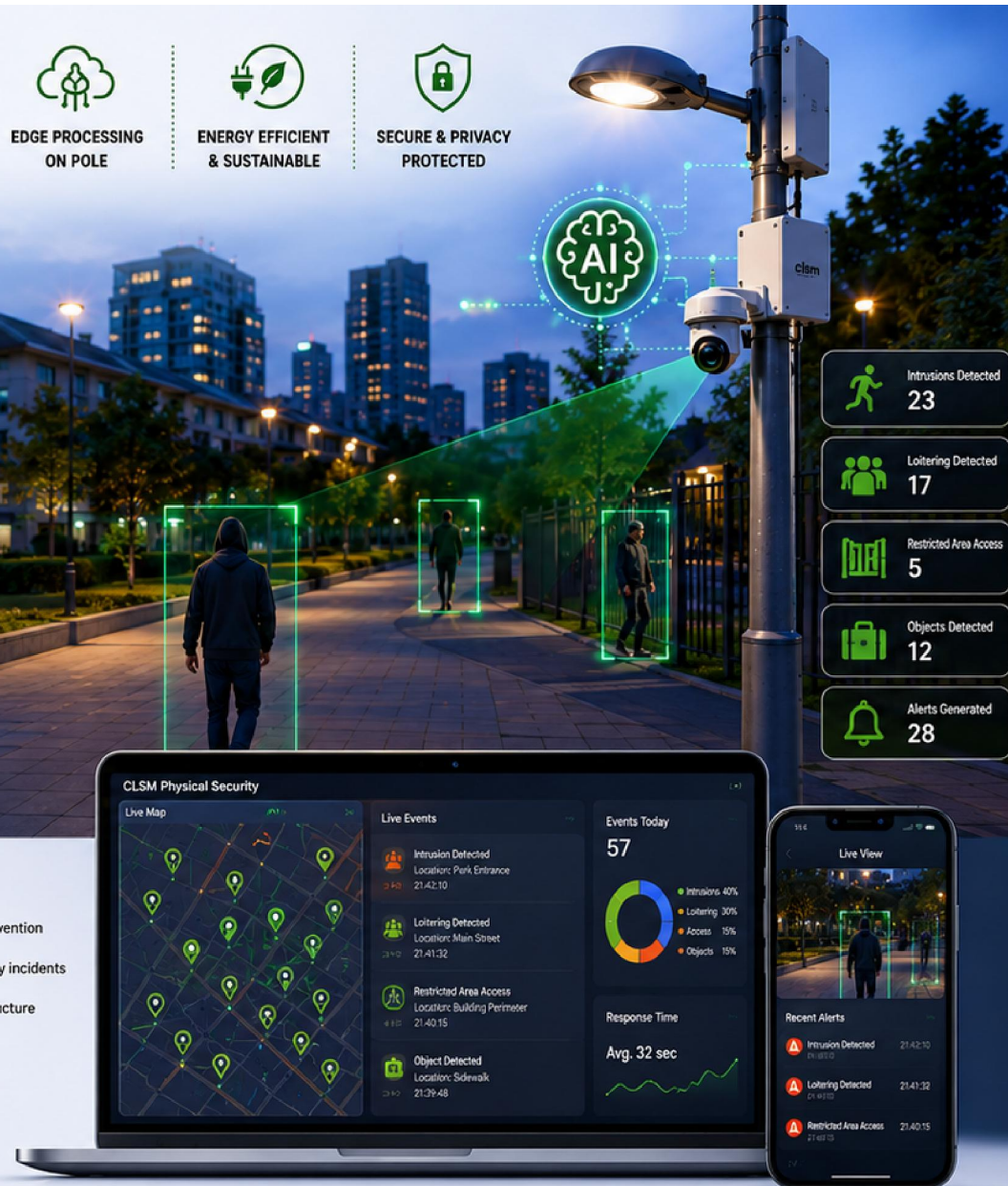


HOW IT WORKS



KEY BENEFITS

- ✓ Real-time threat detection & prevention
- ✓ Reduces response time & security incidents
- ✓ Uses existing streetlight infrastructure
- ✓ Scalable for entire cities
- ✓ Privacy protected by design
- ✓ Supports smart city operations





NEURAL NETWORKS
REAL-TIME AI ANALYSIS



HIGH ACCURACY
& RELIABILITY



EDGE PROCESSING
ON POLE



ENERGY EFFICIENT
& SUSTAINABLE



SECURE & PRIVACY
PROTECTED

DIGITAL SOLUTIONS FOR SMARTER INFRASTRUCTURE.

Connected systems. Smarter operations.

CLSM Digital delivers end-to-end solutions that transform infrastructure into intelligent, connected systems.

- ✓ Scalable, secure and future-ready
- ✓ Optimized operations and lower costs
- ✓ Data-driven decisions in real time
- ✓ Built for governments, utilities and enterprises



REAL-TIME
MONITORING
24/7



OPERATION
OPTIMIZATION
Up to 30%



EMISSIONS
REDUCTION
Up to 25%



RELIABILITY
& UPTIME
99.9%



SECURE BY
DESIGN
End-to-end

HOW IT WORKS



CLSM – Turning Infrastructure into Intelligence.

KEY BENEFITS

- ✓ End-to-end digital transformation
- ✓ Improved efficiency & cost savings
- ✓ Real-time visibility & control
- ✓ Enhanced service quality
- ✓ Data security & privacy
- ✓ Supports sustainability goals

> **1k+**
Successful
Implementations



FINANCING SMARTER BUILDING BETTER CITIES

FLEXIBLE FINANCING SOLUTIONS FOR SMART CITY PROJECTS

CLSM enables cities and utilities to modernize critical infrastructure without upfront capital burden through innovative ESCO and Leasing models.

We design, finance, implement and maintain – **you benefit** from measurable savings, improved services and long-term value.



ESCO MODEL

Performance-Based Financing

- ✓ Zero or minimal upfront investment
- ✓ Repayment through verified operational savings
- ✓ Guaranteed energy efficiency improvements
- ✓ Long-term maintenance and performance monitoring
- ✓ Technology upgrades throughout the contract period



LEASING MODEL

Flexible Infrastructure Financing

- ✓ Predictable monthly payments
- ✓ 100% financing of Smart City infrastructure
- ✓ Immediate deployment of digital solutions
- ✓ Preservation of municipal liquidity and borrowing capacity
- ✓ Ownership transfer upon completion of the lease period



NO UPFRONT
INVESTMENT



IMMEDIATE SAVINGS
& EFFICIENCY



REDUCED RISK &
MAXIMUM PERFORMANCE



SUSTAINABLE CITIES
FOR FUTURE GENERATIONS

FROM CAPEX TO OPEX

Convert traditional infrastructure investments into operational expenditures and unlock the full potential of your city.



NO LARGE
UPFRONT COSTS



IMPLEMENTATION
BY CLSM



SAVINGS & REVENUES
GENERATED



LONG-TERM VALUE
FOR THE CITY



SMART INFRASTRUCTURE



AI & DIGITAL PLATFORM



SECURE & SUSTAINABLE



CREATING VALUE FOR FUTURE GENERATIONS

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