

# NOTICE

## **“The Wi-Fi Meter That Thinks” – Serving the Public Interest and Collective Housing** *Drago Projekt & Helmsman Technology*

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### **Collective Ownership – The Unresolved Challenge of Modern Society**

Across the world – from villages in Serbia to apartment buildings in Switzerland – one question remains the same:

#### **Who controls and responsibly manages the consumption of shared resources?**

There are three types of ownership:

- Private – controlled by individuals (not the subject of this notice)
- Collective – in multi-apartment buildings (elevators, water pumps, heating, lighting...)
- Public – buildings, lighting, infrastructure – often lacking clear management and accountability

The public sector worldwide faces the same issue – a lack of tools and control over budgetary expenses for energy, water, and heating. The same applies to collective housing, where residents pay but have no control.

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### **The Solution: Smart Wi-Fi Meter with Budgeting and Monitoring**

That’s why we developed a smart Wi-Fi metering system, specialized for public facilities and shared residential utilities, which enables:

- Continuous monitoring and display of consumption (electricity, water, heat)
- Monthly budget definition and alerts when nearing the limit
- Automatic and remote shutdown of forgotten devices
- Problem alerts (break-ins, elevator failures, fire, flooding...)
- Integration with existing SCADA or PLC systems

No expensive cabling is needed – the system works wirelessly and can be installed in even the most remote locations. Everything runs via the Internet, accessible on your phone or computer, wherever you are.

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### **Why Now?**

Until recently, such a solution was not feasible. The lack of wireless technology and the need for 24/7 human supervision made it inefficient.

Today, thanks to the development of:

- Wi-Fi communication,
- cloud-based software, and
- artificial intelligence (AI),

it is finally possible to automate the monitoring and control of budgetary consumption with clear accountability and transparency.

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## **Original Budgeting Functionality**

Our system allows users to define their own monthly budget (e.g., RSD 12,000 / €100), and the software provides real-time feedback:

- Are you consuming more than planned?
- What will your bill be?
- When and how can you reduce expenses?

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## **Where the System is Already in Use**

Our system has been in practical use for 7 years, including:

- In municipalities and public lighting systems in Serbia and Montenegro
- In collective housing buildings in Switzerland – where significant savings are recorded

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## **What Does Cooperation with Us Look Like?**

1. Contact and free consultation
2. Development of the Project Task and Conceptual Design
3. Analysis of previous bills and savings potential
4. Support in financing (government, funds, homeowners' associations)
5. System procurement and installation
6. User training and professional maintenance (monthly monitoring service)

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## **In Conclusion**

The Wi-Fi meter becomes a key point of digital transformation in the public sector and shared housing.

It supports:

- Mayors and budget control offices
- Building managers and tenants
- Budget inspectors and donors
- Technical departments that finally get a real optimization tool

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## **Drago Projekt & Helmsman Technology – for Responsible Management of Shared Resources**

Contact us to create a sustainable and transparent consumption control system – together.

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Attachment: Online Overview of Budget Consumption and Real-Time Budgeting

## Realization of the budget: Decembar

Station 3

**21,515.05 EUR**

budget 23,500.00 EUR

projected amount for the current month 24,075.68 EUR

spent today 243.68 EUR

## Energy consumption trend

compared to the same month of the previous year

**14.70 %**

## Energy consumed

Active:

**239,866.21 kWh**

140,280.26 kWh

99,585.95 kWh

Reactive:

**218,299.00 kvarh**

136,195.28 kvarh

82,103.72 kvarh

## Active power

27-12-22 10:55:37

**412.011 kW**

approved power 750.000 kW

597.82 A | 588.16 A | 611.25 A

236.00 V | 237.00 V | 236.00 V

## PEAK DEMAND (Active power)

**539.356 kW**

PEAK DEMAND accomplished:

13-12-2022 12:30

\* Mean value of active power in the interval of 15 min.

## Current mean value kW

10:45 - 11:00

**410.041 kW**

Number of samples : 551

## Current power factor

**cos  $\phi$  0.40**minimum allowable power factor cos  $\phi$  0.95

## Consumption per day for the month:

Decembar  
(EUR)

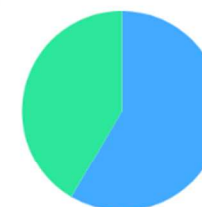
Active tariff:



days of the month

## LOWER/HIGHER TARIFF RATIO: KWH

EUR

 Higher tariff  
 Lower tariff

Higher tariff: 140280.26 kWh

Lower tariff: 99585.95 kWh