

ISTANBUL SABAHATTIN ZAIM UNIVERSITY



KIO (Klemsan Internet Objects) Platform Case Studies





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With the implementation of **KIO Platform, Istanbul Sabahattin Zaim University monitors its energy usage and sub-invoices the energy expenses to its faculty buildings according to their consumptions!**

Istanbul Sabahattin Zaim University (IZU) was established in 2010 as a foundation university with the provisions of the higher education law by a public benefit foundation. IZU is an international research university which is distinguished with its academic and physical infrastructure, and aims to be one of the top five non-profit universities in Turkey. IZU has now **20** doctorate, **57** master and **34** undergraduate programs, over an area of **327.000** square meters.

Thanks to KIO platform, IZU stopped to manually monitor electricity consumption. Now, the measurements are made automatically in an accurate way on real-time basis. Besides, they manage to distribute their expenses to their faculties due to reliable reporting capabilities provided by KIO.

BUSINESS NEED

The university administration would like to monitor the energy consumption in each faculty and make the invoicing accordingly **for a better budget control.** Besides, manual collection of data is an **unreliable** and **time-consuming process.**

AIM OF THE PROJECT

- ▶ To control and compare the consumption of each faculty building
- ▶ To prevent unnecessary energy use especially during holidays and weekends
- ▶ To get rid of the drawbacks of the manual operation of data collection

Location: Istanbul

Number of buildings: 15 (at the second stage, extra 15 buildings are to be added to the scope of the project)

Solution:

- ▶ KIO Basic module + invoicing module
- ▶ Klemsan KLEA 320 P Energy Analyzer
- ▶ Klemsan Ethernet Gateway ETOR-4
- ▶ Klemsan SPLIT-CORE Current Transformers

Benefits:

- ▶ Increase in productivity by directing relevant personnel to other jobs
- ▶ Accurate distribution of energy expenses between faculties
- ▶ Instantaneous detection of faulty conditions and quick intervention with alarm management system



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