ACEMIL

INTRODUCTION

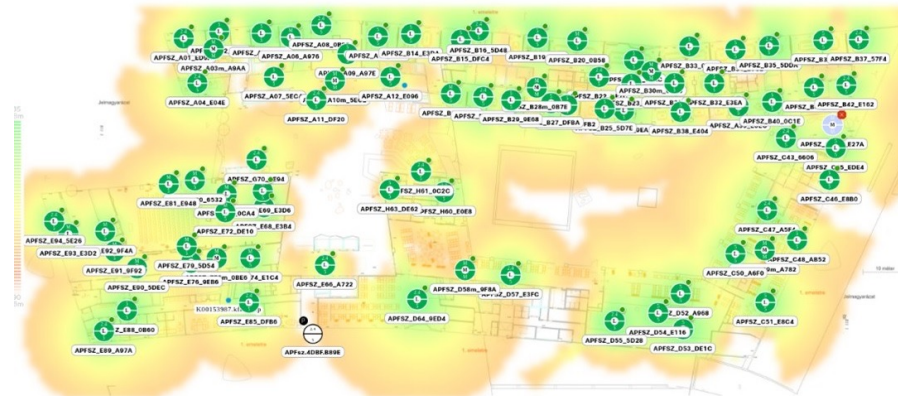## NRGMAP
PROPERTY AREA
MONITORING SYSTEM

INTRODUCING

The purpose of the NRGMAP™ system is to monitor the areas of the properties included in its analysis using the established WIFI and LAN network based on the utilization of the drawn zones.

With the help of the visualization of the use, it is possible to make lighting and heating suggestions for individual areas, and to optimize them from an economical point of view. The system can store geo-coordinates up to the Floor level, as well as a floor plan for the floor level.

TRANSPARENCY TO SUPPORT
ENERGY OPTIMIZATION DECISIONS

- Optimal start / end temperature of daily heating

- Start / end of lamp switchability

- Unused area-time correlations, heat map representation, in hourly and 15-minute views

- Reading meter values using standard building engineering protocols

- Reading measurements of thermostats / controllers / energy loggers

- The channelization of sensor data from the largest NBIoT and IoT manufacturers via an already solved API.

TECHNICAL STRUCTURE

The system is integrated using Cisco network devices and APIs optimized for DNA Centers, which enables cross / up / double selling with regard to Cisco infrastructures, and significantly reduces the implementation processes in the case of already available DNA Centers.

AUTOMATED ENERGY MANAGEMENT OBJECTIVES

- in the current status, the current facility management service provider is contractually responsible for avoiding over- and under-regulated temperatures in the given building, so it is only managed manually,

- the POC necessary for the spread and introduction of automation is underway at THQ in collaboration with one of the largest real estate operators in the country,

- as a result, after a successful POC, potential partnership cooperation is on the horizon.

USE CASES

Large Company: Deutsche Telekom
A priority goal on the part of Deutsche Telekom is the investigation of the solution's RTLS (Real Time Location Service) function, as well as its subsequent introduction.

Government: Ministry of Energy - Hungary
The main topic of the consultation is the possibility of introducing NRGMap within the state administration - as the largest consumer in Hungary.

Other organizations: Universities, Municipalities
Currently, ELTE University and Municipality of 13th District Budapest advanced negotiations are underway regarding the NRGMap-based assessment and possible implementation of the real estate assets of the district municipality.