# GRÜNE ANTWORT #INTELLIGENTSOLUTIONS





ÁRKOSSY MÁTÉ CEO



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VIGH PÉTER BUILT AUTOMATION DIVISION MANAGER AUTOMATION ENGINEER

VITÉZ TAMÁS TECHNOLOGICAL EXPERT

## **GRÜNE ANTWORT**



## BUILDING AUTOMATION



ENERGYCLIPPER

CUSTOM BUILDING AUTOMATION SYSTEM INTEGRATION

STANDARD SIEMENS BUILDING AUTOMATION

**BUILDING AUTOMATION STRATEGY** 

ELECTRICAL INSTALLATION, PRODUCTION



ELECTRICAL INSTALLATION

ELECTRICAL CONTROL CABINET-PRODUCTION OTHER FEATURED PRODUCTS



CLEANROOM MONITORING SYSTEM OPTIMIZING CONTRACTED POWER IRMA - MAINTENANCE ASSISTANT MANDATORY ELECTRICAL SUB-METERING SELLING AND INSTALLING ELECTRIC CAR CHARGERS AND ACCESSORIES

## THE IMPACT OF SMART DEVELOPMENTS

## ENERGY EFFICIENCY

THE IMPLEMENTATION OF SMART TECHNOLOGIES MAKES FACILITY MANAGEMENT'S WORK SIMPLER AND MORE COST-EFFECTIVE. ENERGY CONSUMPTION IS REDUCED!



## FAST RETURN ON INVESTMENT

INTELLIGENT INVESTING CAN PAY FOR ITSELF IN 6 MONTHS.



## **REDUCING CARBON FOOTPRINT**

AFTER THE PAY-OFF OF THE INTELLIGENT CONTROL THE **EXTENT OF SAVINGS** AND THE COMPANY'S **ECOLOGICAL FOOTPRINT DECREASE** SIGNIFICANTLY.

THE SMART BUILDING ONLY USES AS MUCH ENERGY AS IT NEEDS. THIS IS NOT ONLY GOOD FOR OUR WALLETS, BUT ALSO FOR THE ENVIRONMENT.

ANDRÁS MEDVECZKY, SIEMENS





## WHAT CAN BE THE FIRST STEP?



SURVEY OF THE BUILDING



PREPARATION OF ENERGY STRATEGIES



EXPERTISE INVESTIGATION OF THE AUTOMATION



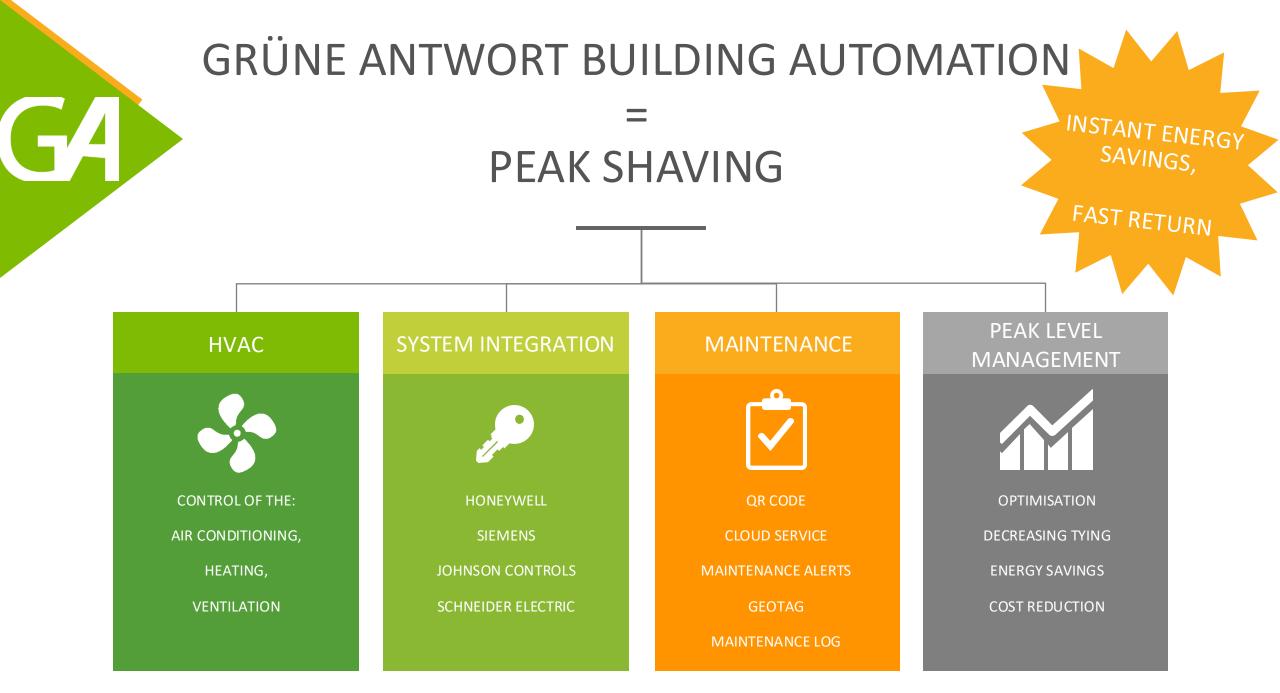
PREPARING INTEGRATION TASKS



OTHER ENGINEERING SERVICES









## **BUILDING AUTOMATION**

SELF-DEVELOPED, CUSTOMISED SYSTEM (SOFTWARE & HARDWARE)





TRANSPARENT STRUCTURE



COMPANY-TAILORED, UNIQUE LOOK

- DIGITAL TWINS





**REDUCTION OF** 

THE ECOLOGICAL

FOOTPRINT AND

ENERGY

CONSUMPTION

## **BUILDING AUTOMATION**

ENERGY SAVINGS

EFFICIENCY

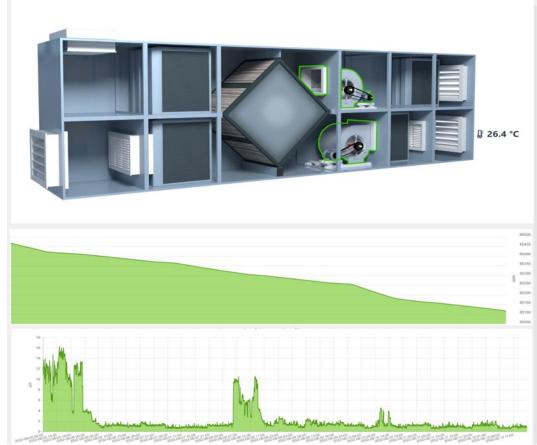
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COMPREHENSIVE INTEGRATED CONTROL SYSTEM

COMPLETE CONTROL

FULL SERVICE - FROM SURVEY TO OPERATION







# IRMA MAINTENANCE ASSISTANT

A SMART SOLUTION



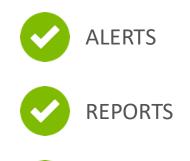


FAST RETURN ON INVESTMENT













HISTORY BOARD

# SIEMENS SOLUTION PARTNER

SINCE APRIL 2020 WE ARE AUTHORISED TO SUPPLY, INSTALL, MAINTAIN AND SERVICE SIEMENS PRODUCTS



## Partner Certificate

siemens.com/buildingtechnologies

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A Siemens Zrt., Smart Infrastructure, Building Products üzleti terület igazolja, hogy

#### a Grüne Antwort Kft.

eleget tesz a Siemens Zrt. Building Products üzleti területe által meghatározott követelményeknek terméktámogatás, know-how és az általa nyújtott szolgáltatások területén. Mindezek alapján jogosult a Siemens által Magyarországon forgalmazott alábbi termékcsoportok szállítására, telepítésére, karbantartására és szervizelésére

> Desigo CC, PX épületfelügyeleti és automatika rendszerek

Érzékelők és beavatkozók (Acvatix, Symaro)

továbbá a Grüne Antwort Kft. jogosult az alábbi cím használatára:

Siemens Building Technologies Solution Partner

Kiállítás időpontja: 2020/04/27. Érvényes a kiállítást követő 1 évig.

997

Medveczky András Business Unit Head Building Products Stipkovits Zsuzsa Business Administration Head Building Products

Solution Partner Building Technologies



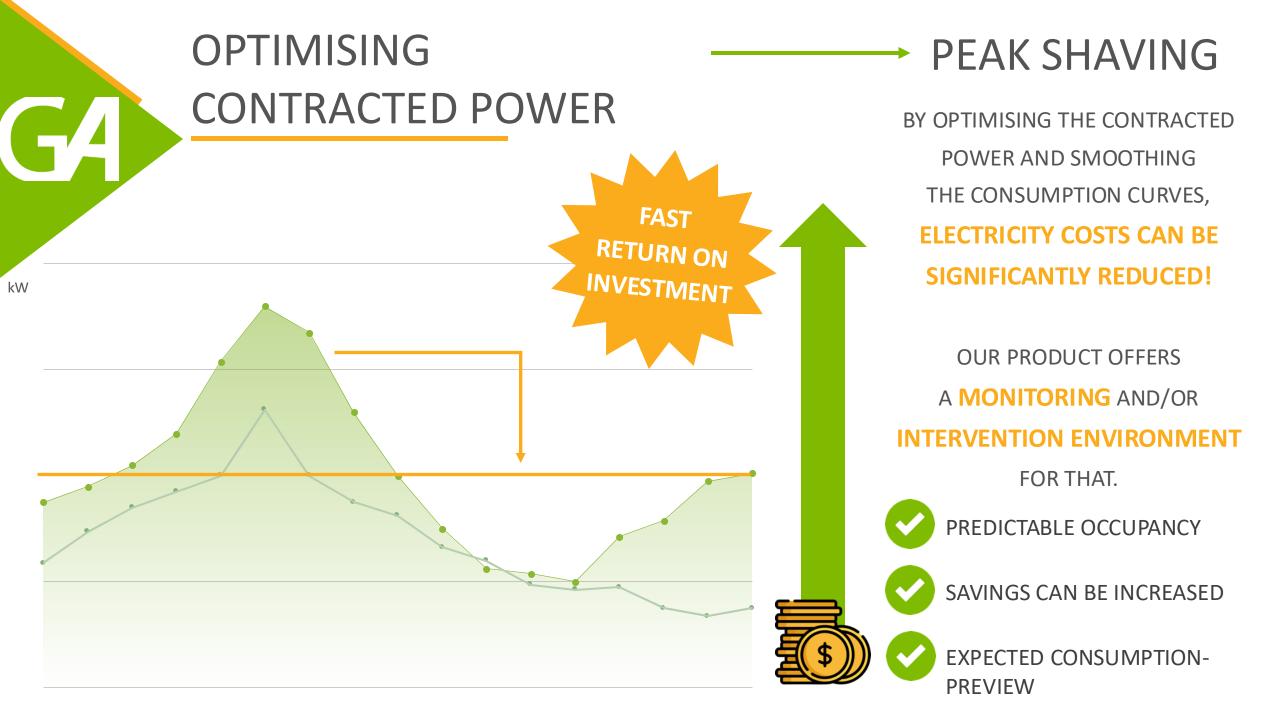
(ACVATIX, SYMARO)

Solution Partner Building Technologies



# PEAK SHAVING

NT I N



# ELECTRICAL INSTALLATION, PRODUCTION



## **ELECTRICAL IMPLEMENTATION**





COMPLETE ELECTRICAL INSTALLATION



NATIONWIDE AVAILABILITY



INSTALLATION OF AUTOMATIC SYSTEMS



CONTROL CABINET-BUILDING



TRAIL CONSTRUCTION



LOW AND EXTRA-LOW VOLTAGE CONSTRUCTION, MEASUREMENT, INSPECTION

# GA

## ELECTRIC CAR CHARGERS AND ACCESSORIES

WWW.GRUNEKRAFT.HU/EN/



7, 11, 22 kW POWER SUPPLY

IP67 PROTECTION, INDOOR AND OUTDOOR USE

COMMUNICATION: BLUETOOTH, ETHERNET, WIFI, 4G, OCPP 1.6, MODBUS RTU



MOBILE APPLICATION, RFID CARD FUNCTION

LCD AND TOUCH SCREEN

MID MEASUREMENT





## COMPULSORY ELECTRICAL SUB-METERING



## SIEMENS PAC PRODUCT LINE

1/2020. (I. 16.) MEKH DECREE – INSTALLATION DEADLINE: 1<sup>ST</sup> OF JANUARY 2023.

LAYING DOWN THE INSTALLATION POINTS OF SUB-METERS TO BE INSTALLED BY THE ECONOMIC OPERATORS OBLIGED TO USE AN ENERGY EXPERT AND THE MINIMUM REQUIREMENTS FOR SUB-METERS

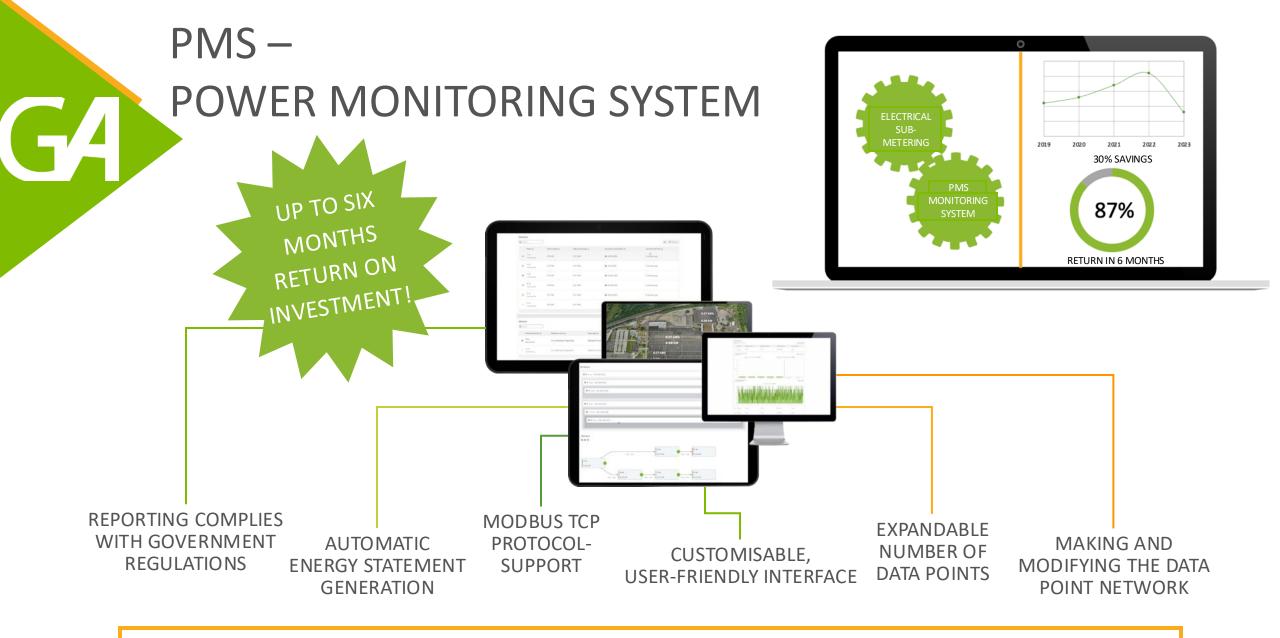




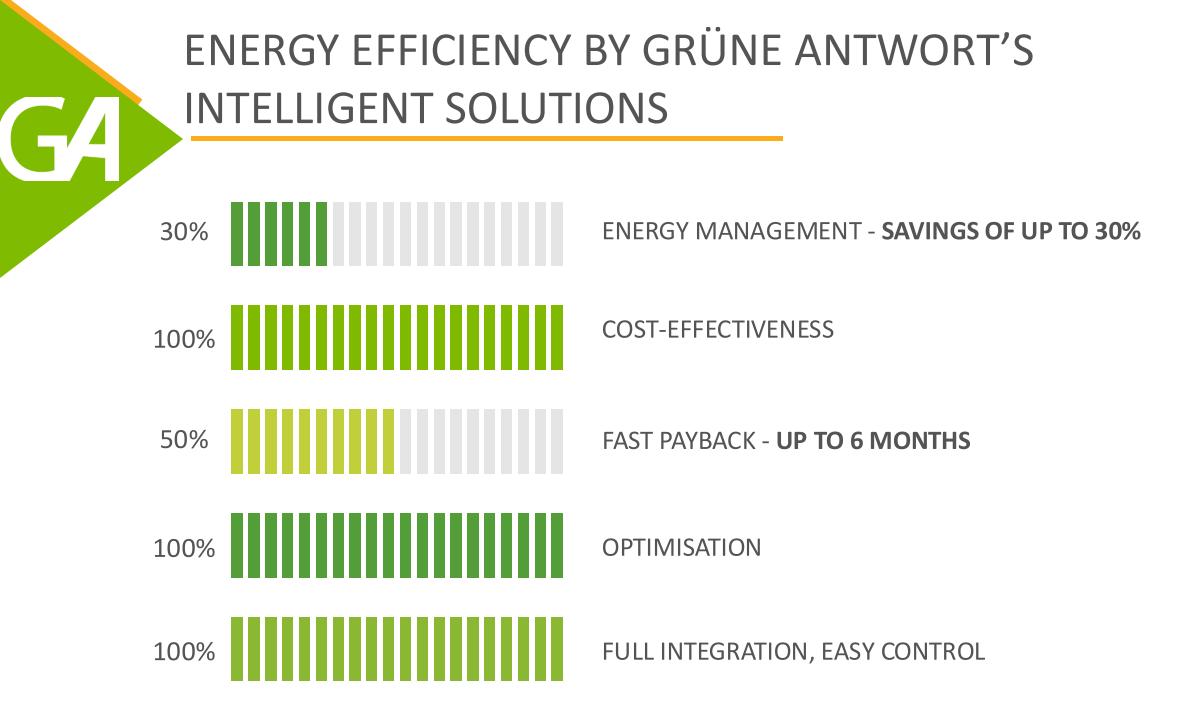
INDEPENDENT ELECTRICAL EQUIPMENT WITH A RATED POWER EXCEEDING 50 KW



70 KW OR MORE OF RATED ELECTRICAL OUTPUT FOR HEAT GENERATORS AND AIR CONDITIONERS

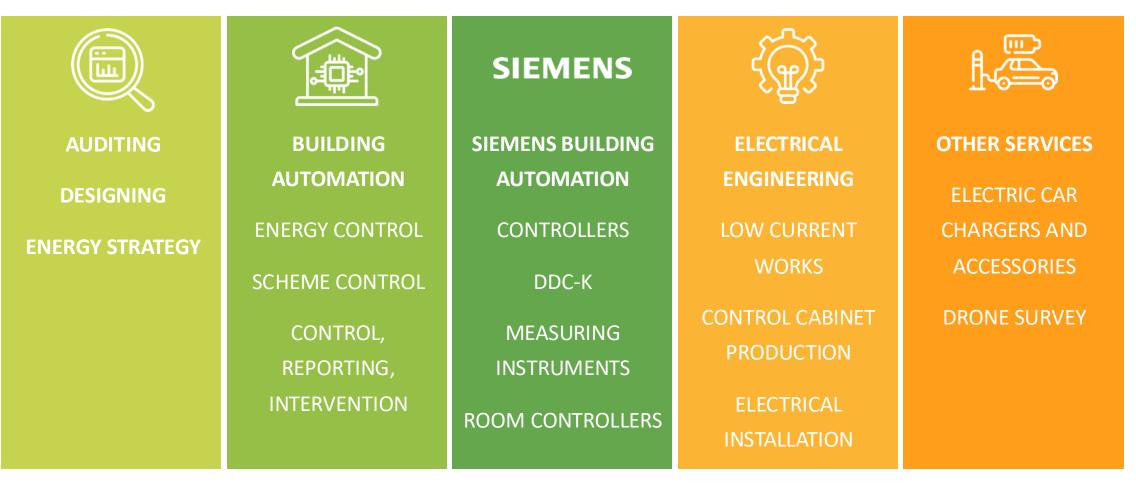


WITH OUR SYSTEM, THE SUB-METERS REQUIRED BY THE MEKH REGULATION CAN BE CONTINUOUSLY MONITORED AND MANAGED BY CONSUMPTION.



## **PEAK SHAVING**

## UP TO 30% SAVINGS, FAST RETURN ON INVESTMENT



FURTHERMORE, RETAIL CUSTOMERS AND PRIVATE CUSTOMERS





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R B A N PM

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## REFERENCES

OPEL SZENTGOTTHÁRD SINCE 2017

**OPEL GERMANY** 

SCHOTT LUKÁCSHÁZA SINCE 2019

MÁV FMR

**URBAN PM** 

NATIONAL INSTRUMENTS SINCE 2018

MET INVEST TIRANA SINCE 2019

EKI CREATIVE

MAGYAR KÖZÚ

TDK

SINCE 2020

**SINCE 2016** 

**SINCE 2020** 

SHINWA

**SINCE 2022** 

**SINCE 2021** 

**SINCE 2016** 

**SINCE 2020** 

SINCE 2022

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