Smart Metering
Photovoltaic systems monitoring
Internet Of Things
Custom Monitoring System

sinapsi

invent today

www.sinapsitech.it

SINAPSI
HISTORY AND MISSION

2004   SINAPSI was founded as system integrator

2005   SINAPSI started its activity of development and production of hardware devices and software for the world of home and building automation

2007   SINAPSI continued its activity of development of hardware devices and software for renewable power, energetic efficiency and smart metering.
ESOLAR family was set up.

2011   SINAPSI launched its DATA SERVICE platform (SNPDS), through which it provides its clients with services with high technological contents in various fields of application, elaborating and analysing data originally from their own monitoring systems.

2012   SINAPSI launched EQUOBOX Solutions for the metering of power and resources of a building, making it possible to share the operational costs, in conformity with standard UNI 10200.

2014   SINAPSI develops integrated, customized, modeled on the needs of the customer solutions. Launches a remote control system for boilers, pellet stoves and heat pumps: CHECKHEAT.

2015   SINAPSI carries out feasibility studies on new technology products for food farming world.

2016   BEM is born, the portal dedicated to energy management, Building Energy Manager in english, according to the vision of SINAPSI.

2017   Develops remote reading and management MULTIGATEWAY for district heating

2018   Sinapsi Global Hub – IoT Platform

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SINAPSI
WHAT WE DO

- System integration activity for home and building automation systems
- Sale of monitoring solutions for production plants from renewable energies
- Sale of solutions for metering of power and resources of a building (Business Centers, Condominium, District Heating Central, etc.)
- Development and supply of multi-platform solution (desktop/tablet/mobile) for remote monitoring of SINAPSI devices for cloud management
- KNX devices development and certification on request
- Development of OEM customized monitoring/control systems
- IoT based OEM development solutions
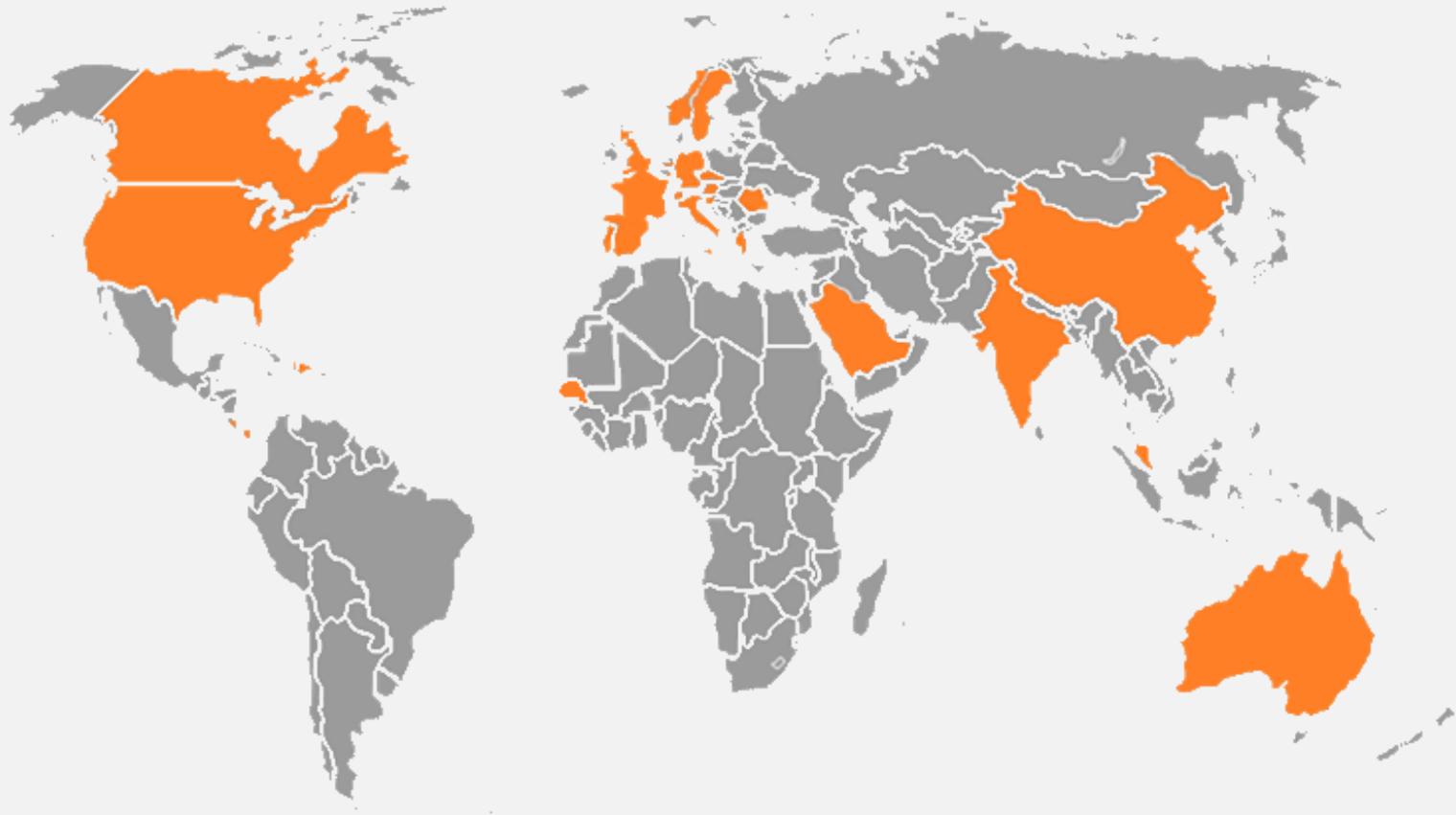- Training on products and solution
- KNX training center

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SINAPSI

OUR MAIN CUSTOMERS AND PARTNERS

SINAPSI
WE ARE IN

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SINAPSI
FACTS AND FIGURE

- 12.000 plants supervised by systems
    - photovoltaic monitoring
    - energy metering and costs allocation
    - boilers, pellet stoves, heat pumps remote control

- € 2.000.000,00 average turnover

- 15 employees
    - 8 technical & service area
    - 3 administrative area
    - 2 sales area
    - 2 communication & marketing area

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SINAPSI
CERTIFICATIONS

SINAPSI applies certified high quality standards, in accordance with UNI EN ISO 9001:2015

SINAPSI adopts international standards for the Management of IT Services ISO/IEC 20000-1:2011

SINAPSI has been a KNX member since 2010 and a member of KNX Italia Group since 2005.

In 2010 it was acknowledged as KNX Training Centre authorised to offer Basic certified KNX courses.

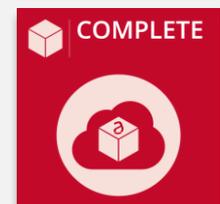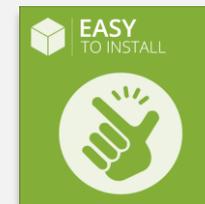SINAPSI adopts an Ethics and Business Policy Code.

SINAPSI

PRODUCTS – EQUOBOX

EQUOBOX allows the metering of power and resources of a building, making it possible to share the operational costs, in conformity with standard UNI 10200.

The architecture of this system is modular, and is composed of various solutions able to interact with different devices that can communicate through the most popularly used standard protocols, such as M-BUS, KNX,RS485.

EQUOBOX can simultaneously measure different sources of power and resources, such as: electricity, thermal and cooling energy, hot and cold sanitary water, grey waters, gas, solid urban waste.

SINAPSI

PRODUCTS – ESOLAR

ESOLAR is a family of products for photovoltaic systems monitoring.

Different needs of users, EPCs and final consumers open different scenarios, in which it becomes necessary to include modular and variable architectures, also in terms of different types and dimensions of the systems installed.

The **ESOLAR** family consists of the following devices which can cover any kind of PV application worldwide

eSolar LIGHT   **eSolar CUBO LIGHT**   **eSolar CUBO**   **eSolar DUO**   **eSolar CENTRAL**

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SINAPSI
PRODUCTS – IoMETER 2G

IoMETER 2G allows to read the new 2G Open Meter counter of e-distribuzione, favoring application solutions in the field of energy efficiency and a true integration between home automation systems and electricity meters

To read the new meter, simply insert **IoMETER 2G** into a power outlet and, after a simple installation, the data will be available through the **Sinapsi Global Hub** to Utilities, Multi Utilities, home automation producers and end users.

- PLUG format device
- Communication on CH1 → PLC - C
- Communication on CH2 → WI-FI with WPS functionality
- APP for initialization and use of the device
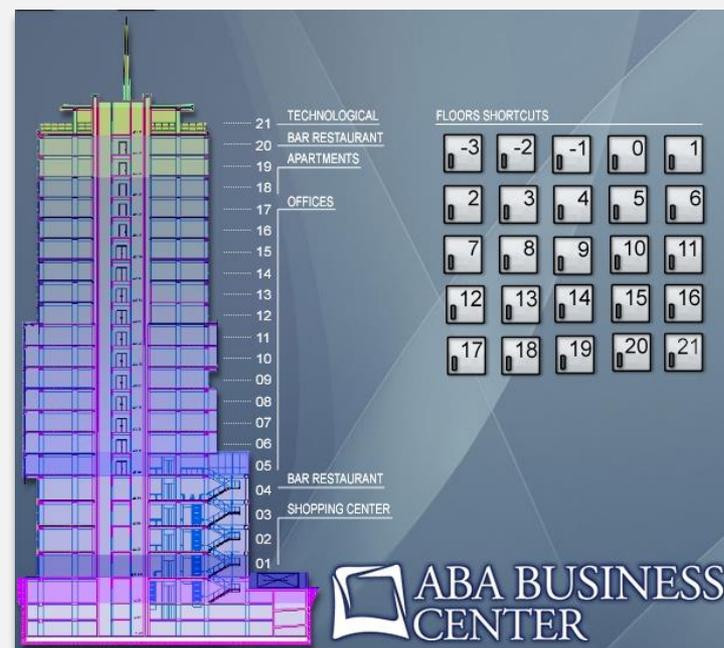- Data release through public APIs

SINAPSI
PRODUCTS – SOLUTIONS HOME & BUILDING AUTOMATION

Development of devices & systems for H&B automation application

Design of civil and industrial systems to meet every need for automation, home or professional. Creation of customized solutions that come from years of experience in the field, supplemented by the service programming, installation and testing.

Design of home automation systems based on the analysis of the needs of each customer, with evaluation of the characteristics of environments and buildings and considering the resources and appropriate technologies to create solutions that provide full control, comfort, safety and energy savings

SINAPSI

PRODUCTS – CHECKHEAT

CHECKHEAT is a webserver system monitoring and remote diagnostics with the possibility of interconnection with custom cloud portal for centralized management of thermoregulation systems / boilers.

FOR THE END USER
Remote contro via WEB or APP
Definition of scheduled activities
Graphical display of operating parameters
Tool for the optimization of energy consumption
Direct contact to request support

FOR THE SERVICE CENTER
Remote management
Analysis of the operating parameters and fault diagnostics
Multi-plant management
Service contract management tool

FOR THE MANUFACTURER
Marketing and customer support services
Remote updating of operating parameters and firmware
Operating system statistics
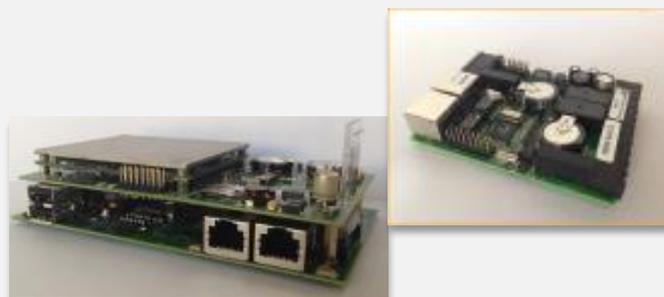Creation of added value to the commercial offer

SINAPSI
PRODUCTS – CUSTOMIZED SOLUTIONS

SINAPSI designs and executes communication gateways among different communication protocols.

Development, design and production of customized solutions based on web server/cloud architectures preferring open source O.S. and framework for various applications with relation to each single customer request.

SINAPSI all over the years has provided to their customers systems for controlling:

- Lighting
- Security
- Metering
- Window remote control
- Emergency lighting
- Ventilation & temperature
- Access control
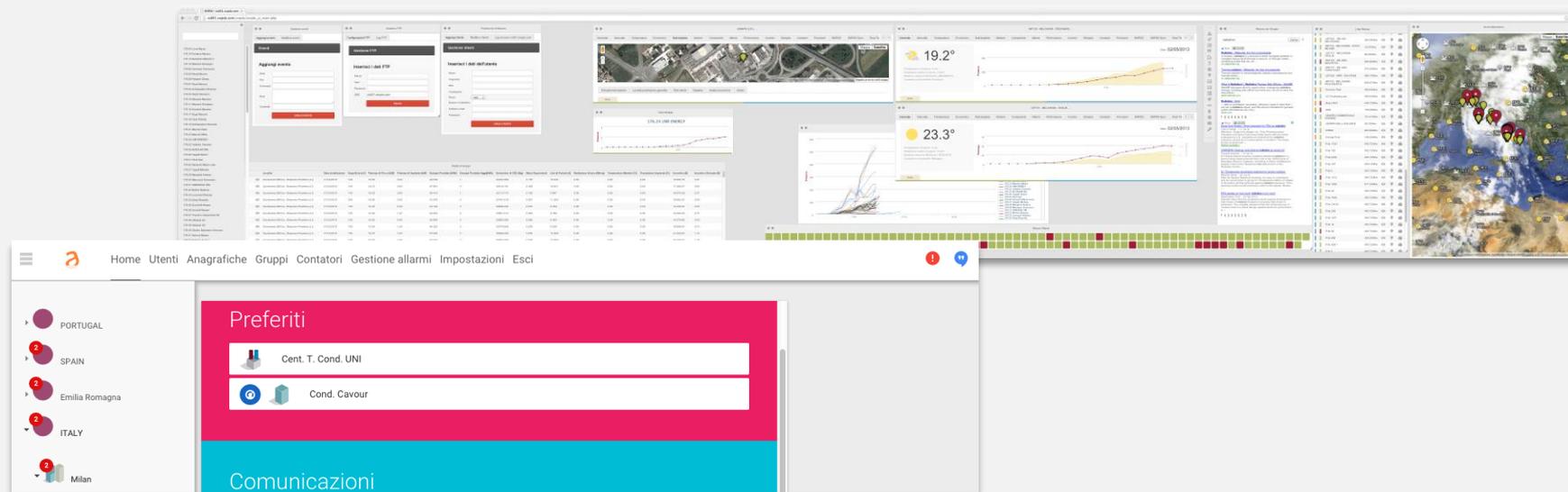
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SINAPSI
SERVICES – SINAPSI DATA SERVICE

SINAPSI DATA SERVICE (SNPDS) is a cloud service provided in hosting.

The SINAPSI DATA SERVICE system offers centralisation, filing, management, analysis of data collected in field with customisable reports and visualisation in MULTISCREEN mode.

SNPDS acquires the data contained in its own devices, such as ESOLAR, EQUOBOX, CHECKHEAT and those belonging to third parties, making a copy for consultation and backup.
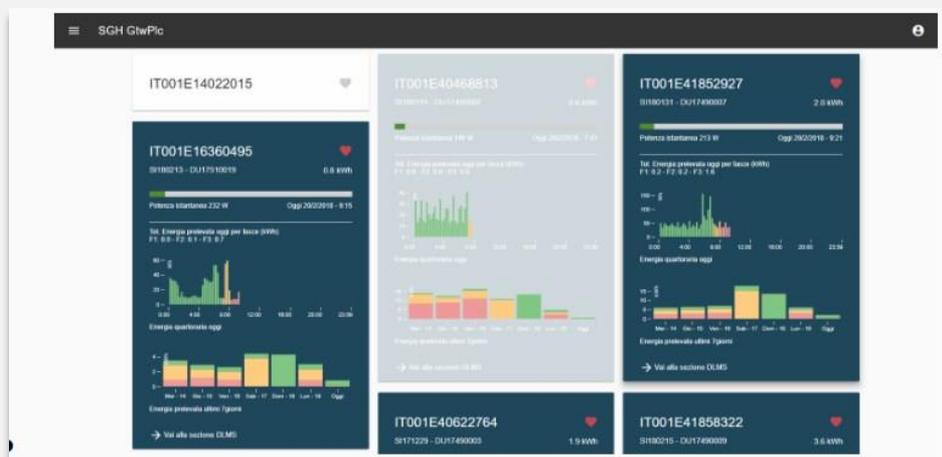
SINAPSI

SINAPSI
SERVICES – SINAPSI GLOBAL HUB

SINAPSI GLOBAL HUB (SGH is the cloud made in Sinapsi that allows the interconnection of every devices with an eye to the IoT world.

Through SGH, Sinapsi provides its customers with a control panel to manage at best its fleet of SGH-compliant devices.

The Sinapsi Global Hub infrastructure adapts itself autonomously to respond just-in-time to broader masses of data and the most incumbent development needs

SINAPSI
WEB SITES

www.sinapsitech.it

INSTITUTIONAL SITE

www.buildingenergymanager.com

INFORMATION SITE AND PARTNER AREA

www.equobox.com

PRODUCT SITE

www.esolar.it

PRODUCT SITE

SINAPSI www.sinapsitech.it

SINAPSI
COMMUNICATION

PARTICIPATIONS IN EVENTS

ADVERTISING ON SPECIALIZED JOURNALS

ADVERTISING ON SPECIALIZED JOURNALS

PARTICIPATIONS IN EVENTS

INSERZIONI SU RIVISTE SPECIALIZZATE

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SINAPSI
FAIRS

European Utility Week is the premier business, innovation and information platform connecting the smart utility community, allowing you to meet with experts from utilities, network operators, vendors, consultants, startups and system integrators covering the entire smart energy value chain.

MCE symbolizes the fullest synthesis of housing comfort in the future. Essence lies at its core and represents the soul of living pleasure. Heating, cooling, water and energy: the basic elements of living at the heart of a contemporary approach that cannot avoid considering them naturally integrated.

The ISH provides the world's biggest showcase for innovative bathroom design, energy efficient heating and air-conditioning technology and renewable energies.

Umbria Business Matching is the initiative of Confindustria Umbria born in 2015 to support mutual knowledge between the business and economic realities of the area and to look for opportunities for collaborations. Market place organized within the Bastia Umbra Trade Fair Center, where companies can interact with each other and also with foreign operators.

SINAPSI
SERVICES – TRAINING

SINAPSI TRAINING combines technical expertise with a thorough knowledge of the market.

Years of experience in the Home & Building Automation, smart metering and in research and development of cutting-edge solutions, have enabled to develop integrated, customized, modeled on customer needs solutions.
These analytical and research skills made it possible to design, implement and promote courses with highly innovative contents, perfected by effective and stimulating practical applications.

SINAPSI doesn't neglect a continuous training, initiating a program at its Training Centre, where it has a fully equipped training room, and at customers, partners and distributors offices.

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SINAPSI
SERVICES – TRAINING

Since 2010 it is recognized as a Training Centre KNX authorized to offer KNX Basic courses. Teachers of Sinapsi are qualified and professionals experts with years of practical experience.
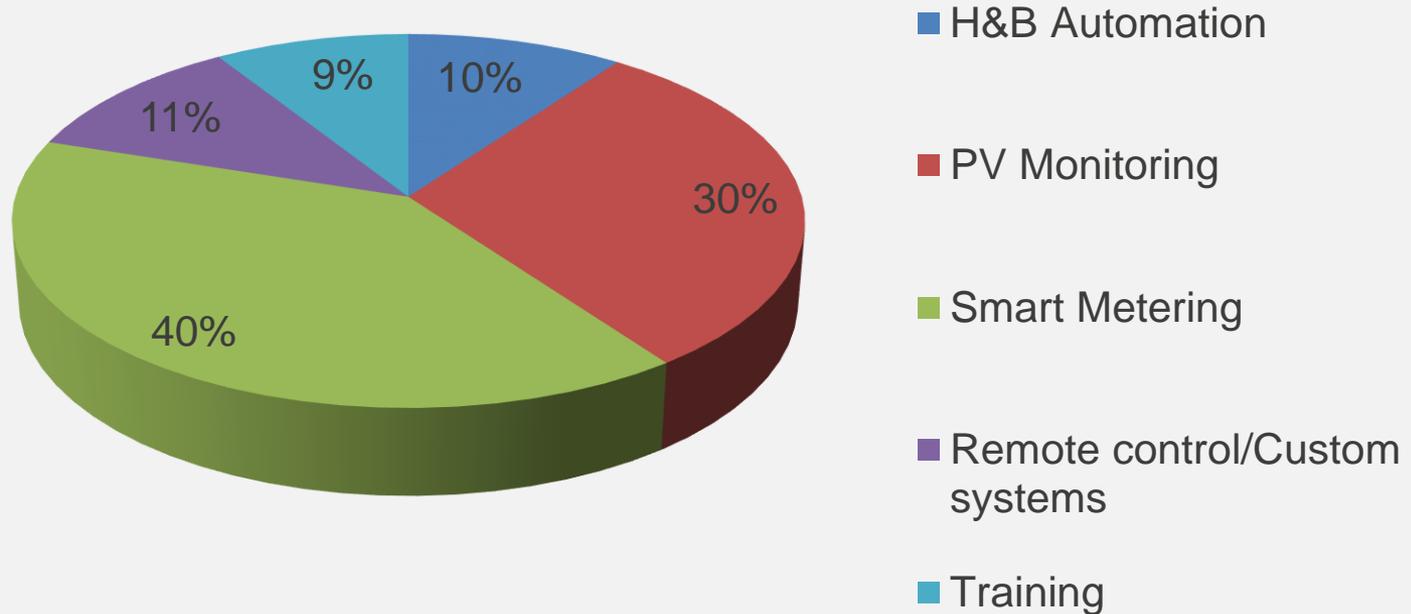
CERTIFIED KNX BASIC COURSE

The course aims to explain in detail the basic principles of the KNX technology with different practical examples of application. The theory is alternated with practical exercises with updated tools provided by our Training Center.
At the end of the course there is a certification exam that allows to acquire the certification of KNX partner, that is recognized at European level, and to use the official KNX logo also for promotional purposes.

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SINAPSI
AREAS OF INTEREST

- H&B Automation — 10%
- PV Monitoring — 30%
- Smart Metering — 40%
- Remote control/Custom systems — 11%
- Training — 9%

Thank you for your attention

sinapsi
invent today

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