



ANIE

present

BiTech

Building Intelligent Technology



ENTERPRISE AND PLANT:
THE TECHNOLOGICAL HEART OF BUILDINGS



BiTech

Building Intelligent Technology

RIVOLTO 6/10/2015
FIRST TIME IN ITALY
WELLCOME
ROYAL SAUDI HAWK



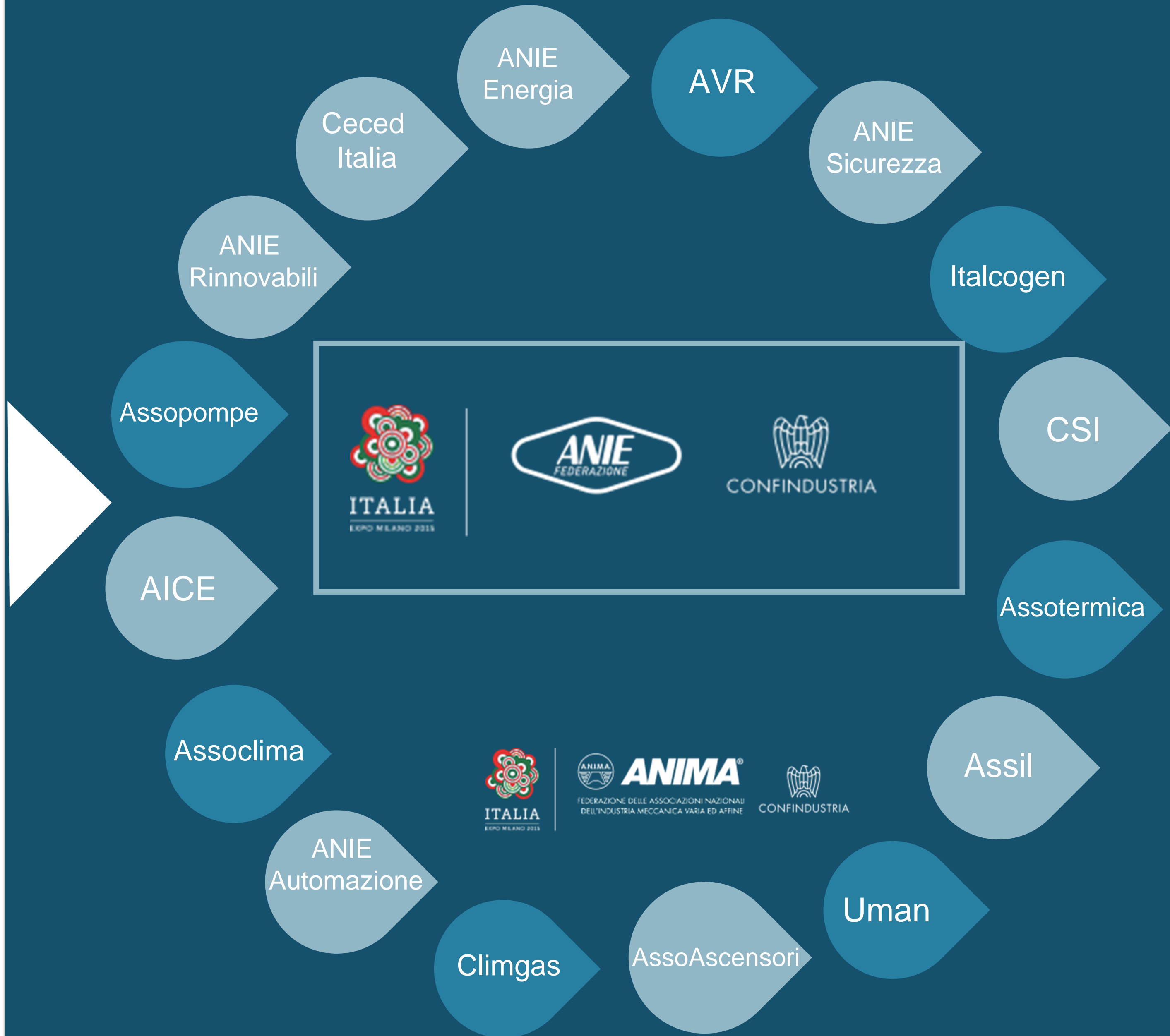
فريق الصقور السعودية
ROYAL SAUDI AIR FORCE AEROBATIC TEAM
SAUDI HAWKS



ITALIAN INDUSTRY SOLUTION FOR SMART BUILDING



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BiTech GOALS

- Highlight the central role of technology systems in the modern building;
- Emphasize the growing importance of functional integration in the evolution of smart buildings;
- Enhance the value of the building as "intelligent node" of a "smart grid" (smart building in smart city)
- Contribute defining sustainable policies for modernization of existing buildings, according to :

ENERGY EFFICIENCY



SAFETY



USABILITY AND COMFORT



INTERCONNECTION



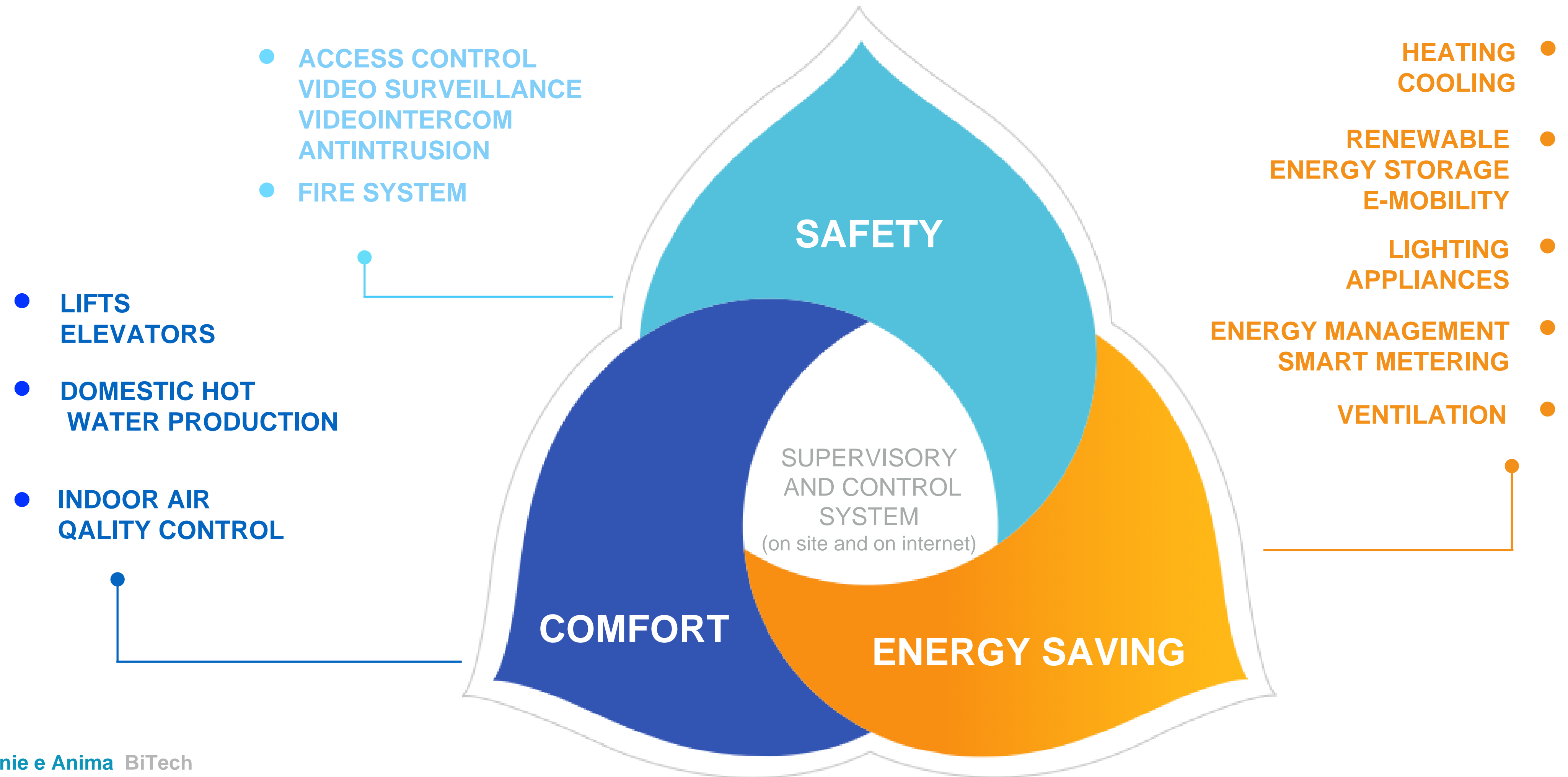
BUILDING is more and more technological

Building automation - Solar thermal - E-Mobility - Pumping system - Energy distribution - Lighting - Fire system - Ventilation - Lifts and escalators - Boilers and burners - Appliances - Regulation and control flow - Security/Safety - Domestic hot water production - Photovoltaic - Terminal units - Foodservice - Air handling units - Uninterruptible power supply - Conditioners and heat pumps - Cables - Storage system - Meters - Valves

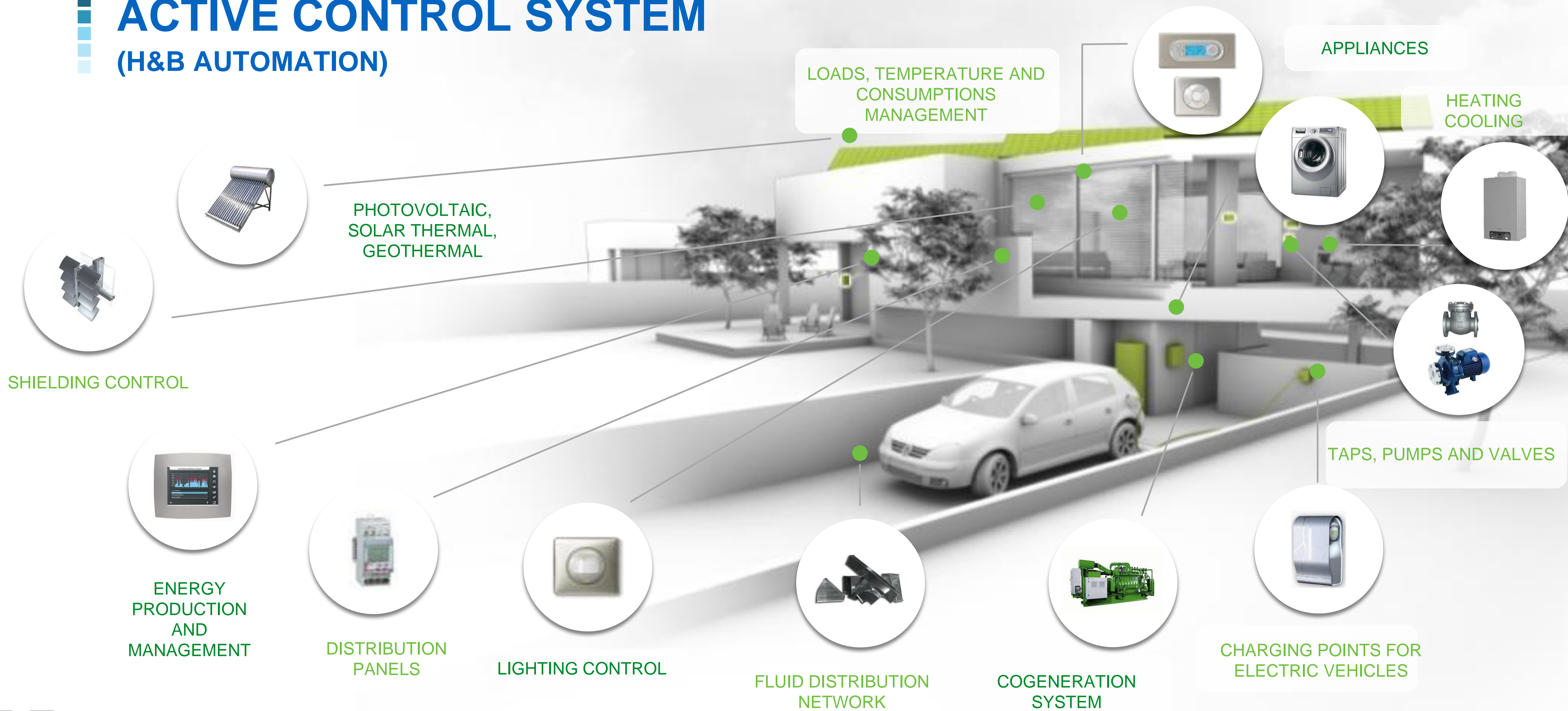


SMART BUILDING

APPLICATIONS



ACTIVE CONTROL SYSTEM (H&B AUTOMATION)



BUILDING INTELLIGENT TECHNOLOGY

AN INTEGRATED SYSTEM

The devices are networked and exchange information (commands, status and measurement)

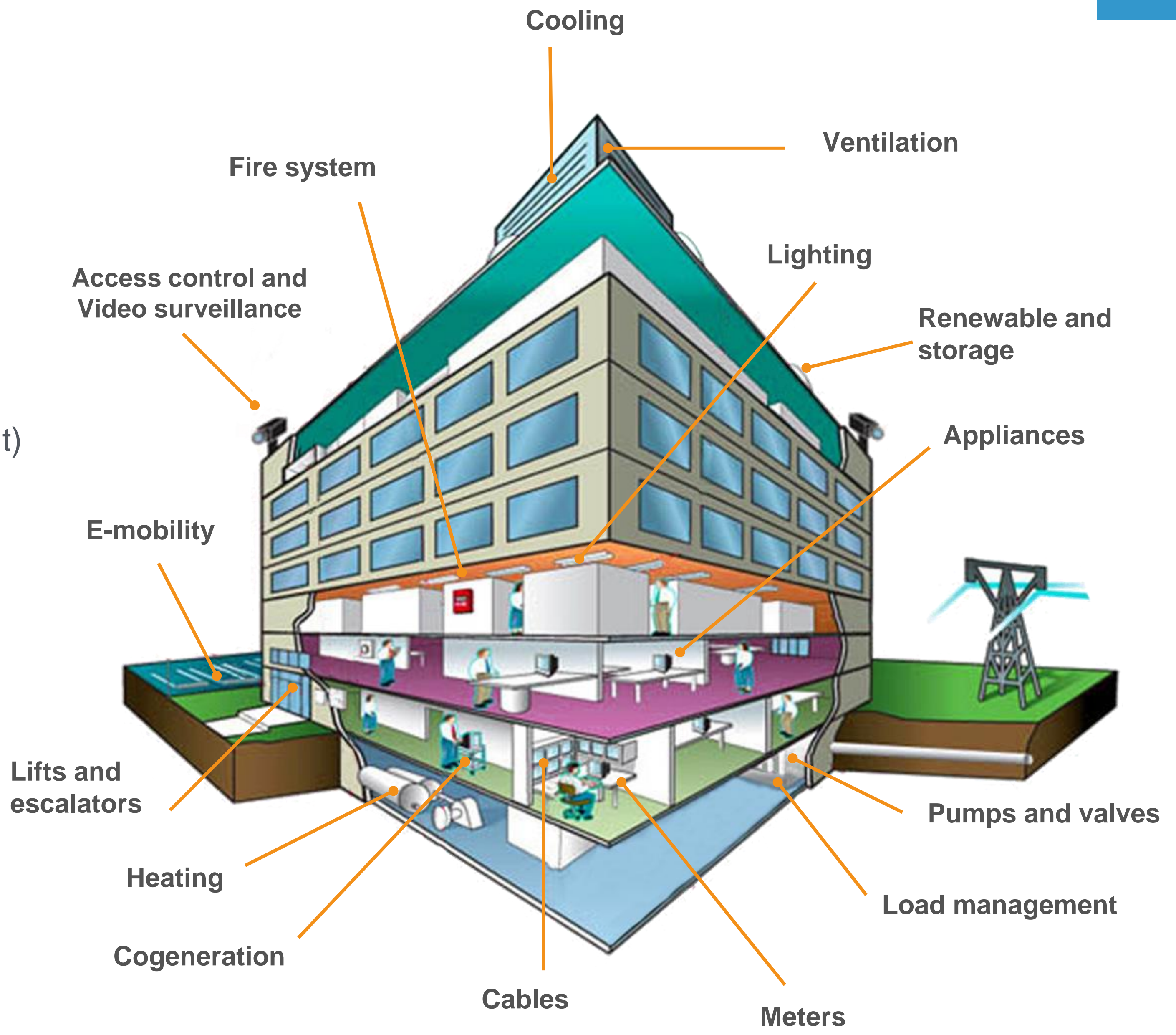
THANKS TO TECHNOLOGY

Smart devices

- Advanced functions: optimization controls
- Decentralized intelligence: specialization and reliability

Communication between devices

- Integration
- Coordination





LAND
24 %



PROJECT
8%



ROOF AND WINDOWS
12%



MASONRY
31%

INVESTMENT

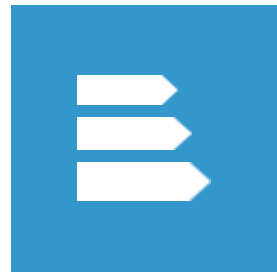


FINISHES
10%



TECHNOLOGIES AND PLANTS
15%

Technologies affect a maximum of 15% in building construction but can make the difference in terms of comfort, efficiency and sustainability: **small budget, big results**



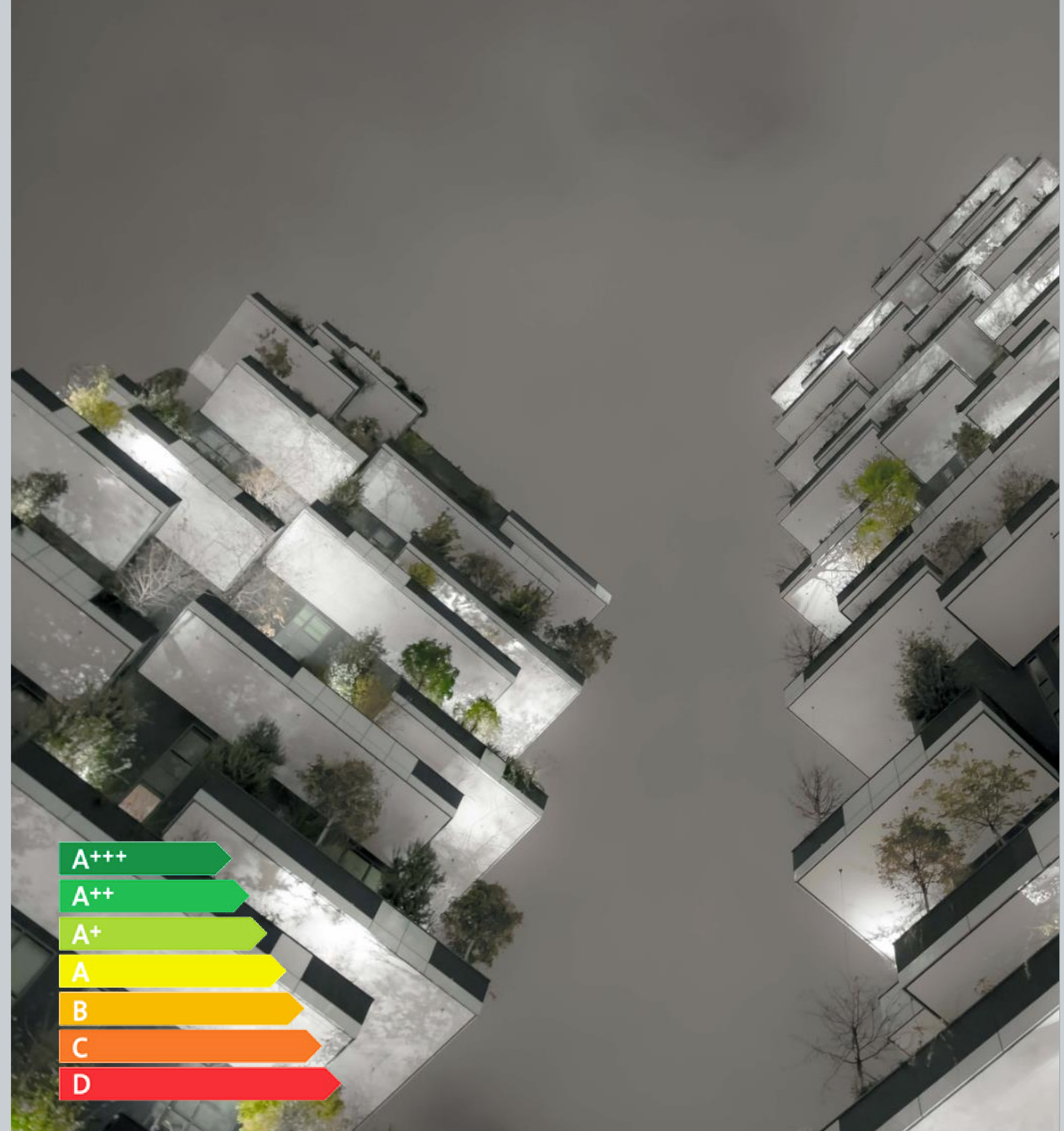
The 80% of the energy used in a house is heat

The role of plants is therefore crucial and so are the synergies between all the components to better emphasize the potential within the "system-building"

RESIDENTIAL SECTOR

- HVAC: **67%**
- Lighting and appliances: **15%**
- Domestic hot water: **14%**
- Cooking: **4%**

Source data: ENEA



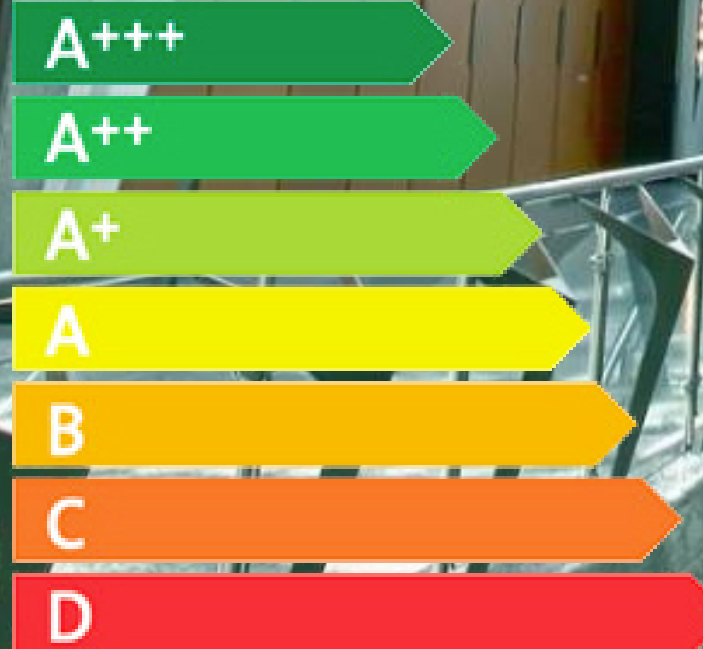


SERVICE INDUSTRY

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- HVAC: **53%**
- Lighting and appliances : **32%**
- Domestic hot water : **15%**

Source data: CEI



Bitech an Anie solution ready for the future



VALUE

To create **Value**: the technology development in building has an immediate and positive impact creating Value and employment



SUSTAINABILITY

To develop the sustainability culture: society, economy and environment are affected positively from technologies at all levels



COMFORT

To offer maximum levels of **Comfort** and to give all the best possible conditions for social development



Thank you

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