SBA provides support to the building industry, helping it to quickly adapt to the changes arising from the wide-spread introduction of digital technology in the Smart Building and the Smart City. It offers a global view shared by pooled infrastructures to promote new services, focusing on uses, that generate efficiency and better social cohesion.
A UNIFYING APPROACH FOR SMART BUILDINGS IN SMART CITIES

The development of digital technology within buildings and neighbourhoods can only be achieved by moving away from the conventional "role approach." SBA promotes the use of interchangeable solutions based on open standards. In this way, products and services can be developed that offer the serious users real added value, with sustainable business models.

SBA's objective is to promote the field of Smart Buildings in Smart Cities by bringing on board all the stakeholders in the construction industry.

AN ORGANISATION UNIQUE IN ITS TRANSESPERLITY AND THE DIVERSITY OF ITS MEMBERS

Developers • Property owners • Promoters • Builders • Architects • Design offices • Insurers • Automation • Equipment • Integrators • Installers • IT • Telecommunications • Building Management • O&G • Consulting • Service Facility Manager • Administrators

CONSTRUCTION & ITS CHALLENGES

GALLOPING URBANISATION
By 2050, the urban population will have increased by 66%, i.e., by 2.5 billion people. In this scenario, how can we design buildings and their associated services that will support a harmonious and sustainable urbanisation?

ENVIRONMENTAL ISSUES
Over 60% of greenhouse gases (GHG) are produced by cities. Over 60% of greenhouse gases (GHG) are produced by cities2. As buildings are the 2nd largest source of GHG emissions in towns, what strategies must they implement to reconcile a comfortable lifestyle with a reduction in their environmental footprint?

ENERGY ISSUES
The EU's Energy/Climate Package, energy market directives, integrating renewable energies (Grid Party), etc. With buildings accounting for 45% of total final energy consumption3, what role should they play in developing sustainable business models?

CONSTRUCTION ISSUES
Over a building's lifetime, more than 80% of its overall costs are linked to its occupants. How, therefore, can we go beyond merely controlling direct costs (energy, maintenance, waste, etc.) to incorporate intangible benefits, such as increased productivity for the occupants, which come in direct costs (energy, maintenance, waste, etc.) to incorporate intangible benefits, such as increased productivity for the occupants, which come in particular from improving well-being and developing added value services?

TECHNOLOGICAL ISSUES

Mainstreaming of digital technology: 5 billion connected objects by 2015, 25 billion by 2020, Moore's law, etc. What impact will this rapidly accelerating "digitalisation" have on the building's uses and lifecycle?

 digitisation on the building's uses and lifecycle?

SMART BUILDINGS SAYS..."It is all about the right tools for the right job!"
A UNIFYING APPROACH FOR SMART BUILDINGS IN SMART CITIES

The development of digital technology within buildings and neighbourhoods can only be achieved by moving away from the conventional "rioter approach." SBAs promote the use of interoperable solutions based on open standards. In this way, products and services can be developed that offer the serious users real added value, with sustainable business models.

SBAs seek to promote the field of Smart Buildings in Smart Cities by bringing on board all the stakeholders in the construction industry.

AN ORGANISATION UNIQUE IN ITS TRANSVERSALITY AND THE DIVERSITY OF ITS MEMBERS

Developed by 11 promoters: Architects, Design offices, Insurers, Automation, Equipment, Integrators, Installers, IT, Telecoms, Managers of Services Facility Manager, Consultants, and Developers.

CONSTRUCTION & ITS CHALLENGES

GALLOPING URBANISATION

By 2050, the urban population will have increased by 66%, i.e. by 2.5 billion people. In this scenario, how can we design buildings and their associated services that will support a harmonious and sustainable urbanisation?

ENVIRONMENTAL ISSUES

Over 62% of greenhouse gases (GHG) are produced by buildings in towns, what strategies must we implement to reconcile a comfortable lifestyle with a reduction in their environmental footprint?

ENERGY ISSUES

The EU’s Energy/Climate Package, energy market directives, integrating renewable energies (Grid Party), etc. With buildings accounting for 45% of total final energy consumption, what role should they play in developing Smart Grids?

CONSTRUCTION ISSUES

Over a building’s entire life cycle, more than 80% of its overall costs are linked to its occupants. How, therefore, can we go beyond merely controlling direct costs (energy, maintenance, waste, etc) to incorporate intangible benefits, such as increased productivity for the occupants, which come in part from improving well-being and developing added value services?

The Smart Building ecosystem

The Smart Building for Sustainable Territories Manifesto.

The Ready2Services Building and Territory Guide.

COMMUNITIES

Leverages the community forums to develop the conditions to develop flexible and scalable services around buildings to a whole territory. Defines the reference framework for scalable & multiple services around buildings & territories by pooling "Expert" communities to define a common framework for buildings that are open and connected.

RELATIONS WITH INSTITUTIONS

Building the awareness of public policymakers, Ministries, public bodies, local government, professional organisations, etc.

INTERNATIONAL COOPERATION

Cross-border relations Discussions with international organisations.

BECOME AN SBA MEMBER ALONGSIDE THE SMART BUILDING SECTOR’S LEADERS AND EXPERTS

Learn about the issues and the challenges

Take part in defining and setting up baseline references

Find out about and follow innovations in the sector

Build a network and talk with your peers

Most experts from business areas related to yours

THE SMART BUILDING ALLIANCE IS THERE FOR YOU – CONTACT US

www.smartbuildingsalliance.org

SBA’s ACTIONS

MEETINGS

Bringing the industry together in a spirit of transversality

SBAs, for sharing experiences and keeping track, with topics on smart buildings in a sustainable city.

PUBLICATIONS

Share our vision and our recommendations

The Smart Building for Sustainable Territories Manifesto.

The Ready2Services Building and Territory Guide.

THE COMMITTEES

Smart Buildings for Smart Cities

Defining the role of a smart building within a smart grid to the construction industry to become an active contributor to the smart grid.

Services for Users of Smart Buildings & Territories

 Defines the technical conditions for a Building to be qualified as Open & Connected. Defines the role of SBAs within the industry reference label for Smart Buildings & Territories. It promotes Open Standards and decarbonizes the built environment and territories. This includes standard conditions for Smart Buildings on 3 different levels: Open Standards / Interfaces / Cloud Applications.

Connected Building & Territories

Promotes the use of digital tools such as BIM in the global lifecycle of buildings and territories. Studies impact on skills management, and defines the way to define smart data strategies.

Innovative & Disruptive Technologies

Identifies potential tech and technologies and evaluates potential impact on future services business models.

New Business Models

Evaluates innovative new business models that contribute to the deployment of Smart Buildings & Territories

And also the committees:

- Smart Care – Supersede the current Smart Buildings models.
- Change Management & Employment – Accompanies the building sector through transformation. Studies methods to support the management of change process, defines new developments as well as job profiles, etc.
- Education – Supports building professionals in understanding the digital transition of the building sector through training and development.
- Marketing – Promotes the Smart Buildings Alliance for education, aiming to be a reference in a larger audience of stakeholders from industry leaders to the general public.

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