

dom|OS  
building



place of  
worship



FROM DOMOS EXTENDED, THE ADVANCED DOMOTIC SYSTEM MADE BY DSSTECH, IT WAS DEVELOPED DOMOS BUILDING TO MANAGE NON-RESIDENTIAL STRUCTURES.

DOMOS BUILDING PROVIDES SOLUTIONS OF BUILDING AUTOMATION TO INCREASE THE EFFICIENCY OF BUILDINGS USED FOR PRODUCTIVE, COMMERCIAL OR DIRECTIONAL PURPOSES.

DSSTECH DEVELOPS A DOMOTIC SYSTEM ACCORDING TO CUSTOMER REQUIREMENTS, OFFERING ASSISTANCE FROM DESIGN TO POST-SALE PHASE.



DSSTech was commissioned to automate, with DomOS Building, some churches in the province of Vicenza.

Among the requirements usually advanced by the customer, there are the possibility of creating scenarios for the diversified environmental management and simple and intuitive interface.

#### CUSTOMER REQUIREMENTS

##### • LIGHTING CONTROL

- complete management of lighting with turning on/off of single lights and of groups of lights
- creation of settable sequences
- timing and dimming of lights to minimize energy consumption

##### • WINDOWS MANAGEMENT

- complete management of windows with opening/closing of single windows, groups of windows
- pre programmed sequences completely settable by the user

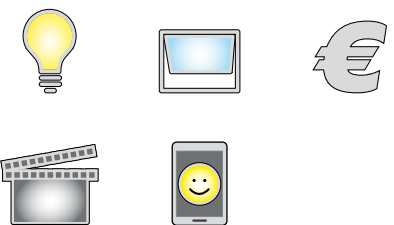
##### • COST CONTROL

- research for useful solutions to minimize installation costs

##### • DIVERSIFIED MANAGEMENT

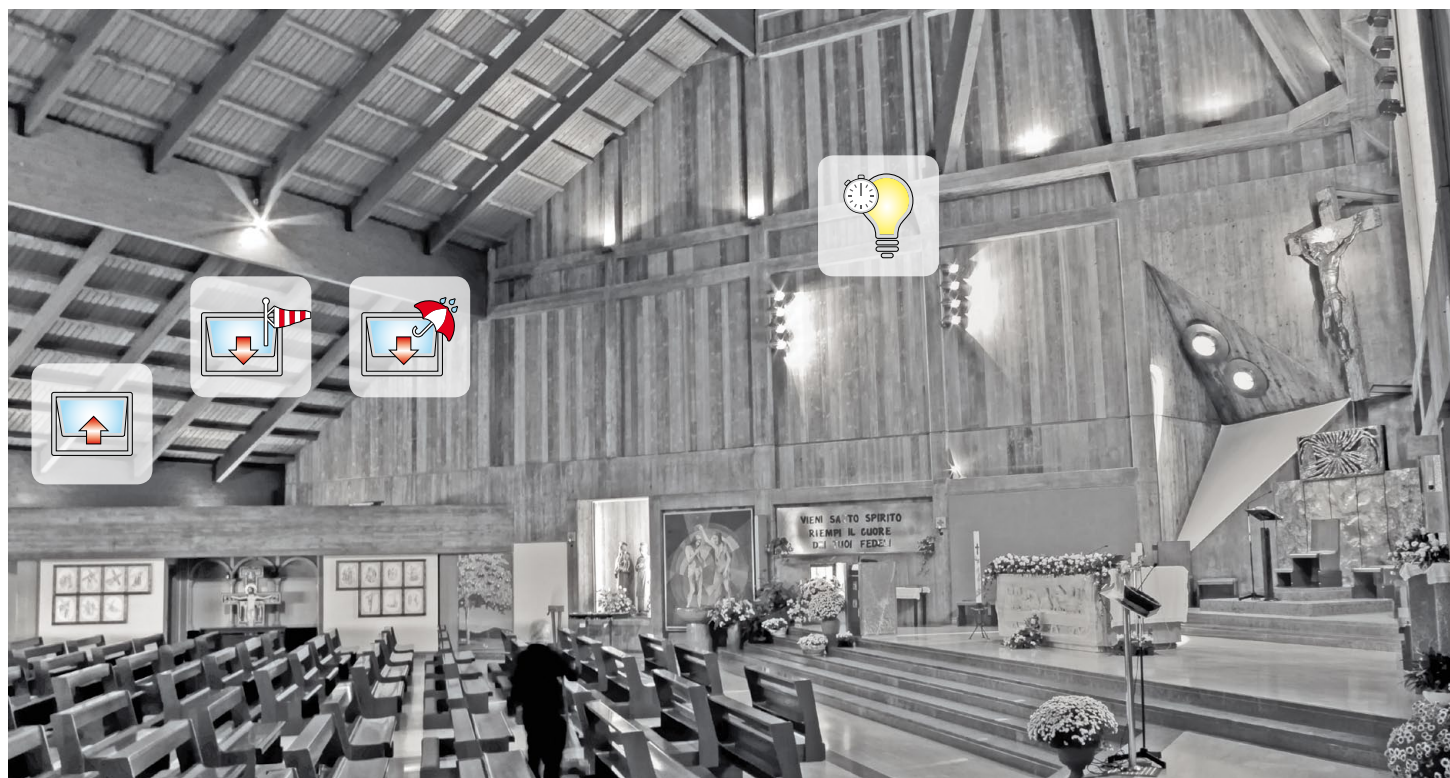
- creation of scenarios for diversified management of the environment during the liturgies

##### • SIMPLE AND INTUITIVE USER INTERFACE



With the application of DomOS Building system, become possible to use ad hoc solutions that extend to the maximum level the integration of the domotics.

DomOS is a guarantee of a robust and reliable system over time.



### MANAGEMENT OF LIGHT POINTS

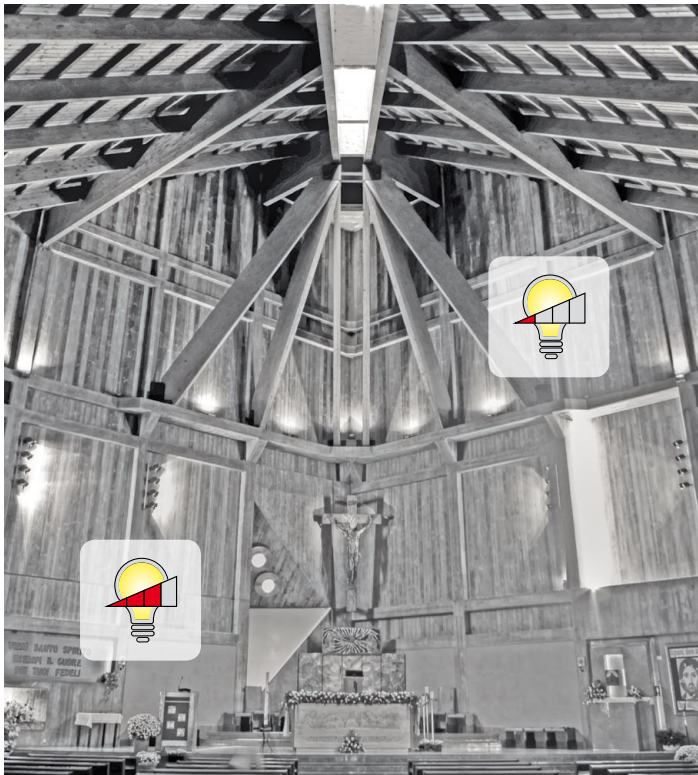
The DomOS domotic system allows you to manage single light points or groups of lights thanks to the scenario logic. It's possible to create turning on/off sequences in relation to the result we want to obtain. Some buttons are also provided to switch on/off lights globally or for groups of lights. The system is also able to detect the environmental brightness and to maintain it constant to a desired value through the automatic dimming of lights.

### WINDOWS MANAGEMENT

In addition to the single windows management, it is possible to control groups of windows belonging to the same zone. To open or close windows globally, it's possible to act via a general command.

### MINIMIZE COSTS

The domotic solution lends itself to update the electrical systems even in case of restructuring with many architectural constraints. It allows to realize an intelligent system greatly reducing the amount of required cables.



#### SCENARIOS CREATION

It's frequently necessary to manage the environment in a diversified way, based on the church use. On weekdays it is not essential that all the lights are turned on or that the heating system works at full power, contrary to what is required during holidays or in particular celebrations.

To meet all these needs, the best solution is to use the scenarios, custom sequences of commands that allow you to create the right atmosphere.



#### SIMPLE AND INSTANTANEOUS MANAGEMENT

The domotic system can be managed through touch screen, PC, Tablet and Smartphone. The simple interface, combined with the possibility to control it through common devices, makes the system intuitive and usable by everyone.

#### POSSIBLE IMPLEMENTATIONS

##### MANAGEMENT OF HEATING AND COOLING SYSTEMS

With DomOS you can personalize the setting of temperatures in the various zones, based on time tables, to optimize energy costs.

##### VIDEO SURVEILLANCE

In the domotic interface you can see the images of IP cameras to monitor environments in real time.

##### MANAGEMENT OF THE ANTITHEFT SYSTEM

It's possible to interact with certified third-party anti-theft systems or use the integrated anti-theft system.

##### MANAGEMENT OF SMOKE EXTRACTORS

The smoke extractors placed on candlestick near votive altars can be easily controlled through domotics.

##### MANAGEMENT OF WINDOWS

The management of windows can be implemented with the opening/closure of windows based on internal temperature to maintain it to a constant level or to allow a suitable air exchange.

## BENEFITS ACHIEVED

The environments management is made in an instantaneous and extremely simple way.

The final user through touch screen, Smartphone, Tablet and PC can control and command the entire system in a simple and intuitive way from a unique interface.



BEFORE INSTALLING THE DOMOS  
BUILDING DOMOTIC SYSTEM

Initially, the automatic and centralized management of the lighting was not possible. To make the environment suitable for different liturgies and prepare the church to welcome the faithful, it was necessary to spend much time because everything was done manually.

AFTER INSTALLING THE DOMOS  
BUILDING DOMOTIC SYSTEM

The building usability was increased with the adoption of the domotic system. Clicking a simple key, the control unit proceeds autonomously and instantaneously to the creation of the suitable atmosphere. To this advantageous management we add the consumes rationalization thanks to a suitable programming that avoid unnecessary energy wasting and thanks to the integrated management of the windows automation. Another relevant aspect is the possibility to personalize all the scenarios very quickly.



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