

inControl

SMART GREEN HOTEL

INTEGRATED SOLUTION

This document is to identify and briefly introduce inControl SMART GREEN solution segments for hotels. These can be designed and implemented separately or fully integrated.

1. CENTRAL CONTROL SYSTEM

1-A. RECEPTION

Integrated with other subsystems (HVAC, rooms, lighting, PBX, IP/PPV TV, ...) the control system offers a central access and ability to view, monitor, operate, control and maintain the entire hotel operation.

Touch the „Check-OUT“ icon on the control screen located at the reception desk. Automatically, the following happens:

- outgoing telephone calls from that room are blocked
- room access card becomes void
- billing application automatically prints customer invoice while receptionist takes care and talks to the client
- a message is sent to cleaning crew to tidy up the room
- and more ...



Less training for receptionists, quicker response, shorter waiting time for customers and better service = IMPROVING SERVICE QUALITY & CUSTOMER SATISFACTION!

1-B. MANAGEMENT

Hotel management personnel can access the entire functionality of the control and monitoring system from anywhere in the world thanks to totally integrated central control system.



Very detailed and specific views are available, all functions may be performed as if the person touches control screens and buttons in the hotel, status of all equipment of the rooms may be viewed via special Crestron software with free software licensing up to certain number of rooms. Always in control ...!

1-C. MAINTENANCE

Maintenance crew equipped with remote controllers may view the status and act functionally (turn off lights or A/C, lower the temperature on the thermostat) to remote rooms from any location in and around the hotel. inControl and the on-duty maintenance personnel receives alarm message in case of failure of some sort in order to be able to react promptly.

This means prompt action: no time is lost to go from one part of the hotel to the other to view or perform and action.

1-D. BUILDING MANAGEMENT

Monitoring, controlling and reporting for every building system is integrated and available for use to designated users.

Asset management, maintenance schedules and other BMS functions are available to be defined, monitored and acted upon by automatic reminders and messages to appropriate personnel.

Chief engineer can view statuses and control all systems from a central display in his office or mobile one from anywhere.



2. SMART ROOM



All audio, video, HVAC equipment, lighting, electrical blinds / curtains and other resources may be controlled locally from the room via a keypad, touch panel or remote control unit. One control processor may be assigned for controlling several rooms. All control processors are networked. Information is passed to the central control system so the hotel personnel can view the status, take actions or just plan maintenance work in advance.

A series of manually (one-button-touch) or automatically (the door opens) invoked functions (dim lights up if night, turn TV on the welcome channel, ...) may be performed based on events and status of the room (busy, to be cleaned, ready,...).

In case of equipment failure automatic messages are passed to the maintenance crew.

3. BUSINESS CENTER



Meeting rooms, presentation and conference rooms may be equipped with small control systems with one or more touch panels and remote control units so anyone can use the technology facilitated (projector, electrical screen, lighting, blinds, audio ...) just by simply pressing one key like „PRESENTATION START“ after which the appropriate scene is automatically set by the control system: turn projector on, lower the presentation screen, dim lights down to 20% in 30 seconds, turn the audio amplifier and microphones on, set the room temperature to default value ...

Audio, video and data (collaboration) equipment and systems may be controlled by non-technical or persons without ANY training (guest presenters) via self-explanatory touch screen function icons programmed and available.

4. CONFERENCE CENTER

Control solution for conference centers allows not only simple control of all technical equipment but also allows multi-room scenes and arrangements. If a separation wall is closed, the control system automatically divides audio and projections zones to become separately controllable and usable independently of each other. inControl can supply complete audio video solution including high resolution digital video walls, projectors, screens, connection floor / wall / desk boxes, cabling and implementation.



And with no need for IT experts or additional technical support resources.



5. DIGITAL SIGNAGE

All video displays in the hotel (LCD or plasma panels, holographic or regular screens projected on, TV sets and monitors etc.) can display the same or different content based on previously scheduled presentation scheme or by manual on-demand control.



Interactive presentations, AV spots, text information, movies, TV programs, conference related information, restaurant and bar special events are just some of possibilities to be displayed for guests to get informed at any given time.

Number of locations are interesting for installing digital signage displays:

- Reception for general information
- Leisure manager office for events
- SPA & wellness entrance for specials
- Conference center and meeting rooms for schedule
- Restaurants
- Golf houses
- Walls close to elevators
- Swimming pool area
- Bars

This software solution allows design and production, scheduling and monitoring of the information that is sent to display devices to be viewed.

These displays may be inside or outside of the hotel but also at any location in the world (display of hotel related information and/or presentation at the airports or central city squares) as long as they are networked and accessible via Internet. The distribution from the source to end displays happens within matter of seconds.

- Any display, any resolution
- Optimal performance
- Live presentation viewing
- Live TV or IPTV
- Schedule Wizard with playlists & priorities, grouping, recurring schedules
- Content sharing & delivering
- Collecting Real-Time Data
- Backup / Cloud based Server
- Integrated security
- Proof-of-Play
- Audience measurements

6. EnMS – ENERGY MANAGEMENT SYSTEM



Green hotel projects are more and more a necessity rather than just contemporary design issue. Energy consumption monitoring, report analysis and control capabilities offer immediate:

- energy consumption reduction,
- more energy supplier independence,
- corporate expenses control and
- substantial financial savings.

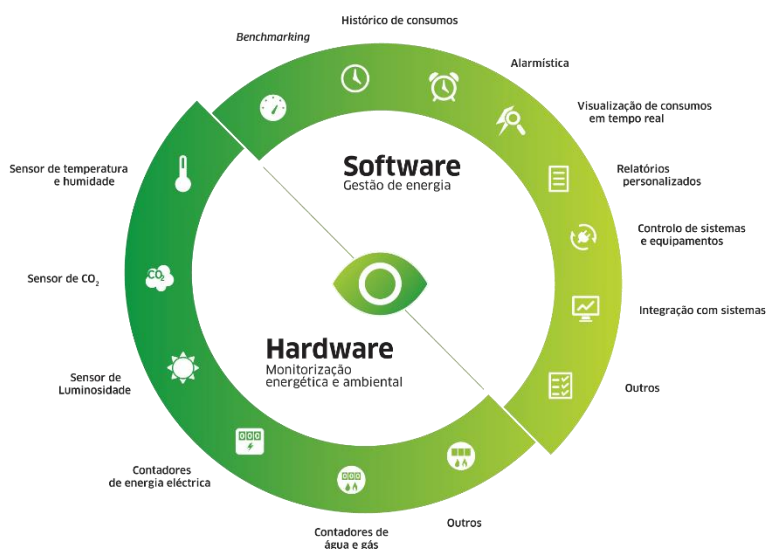


Comprehensive EMS with hardware (temperature, CO₂, motion and illumination sensors; electrical, water and gas meters) and software components offer ease of use for sustainability, positive ecological footprint and operational savings.

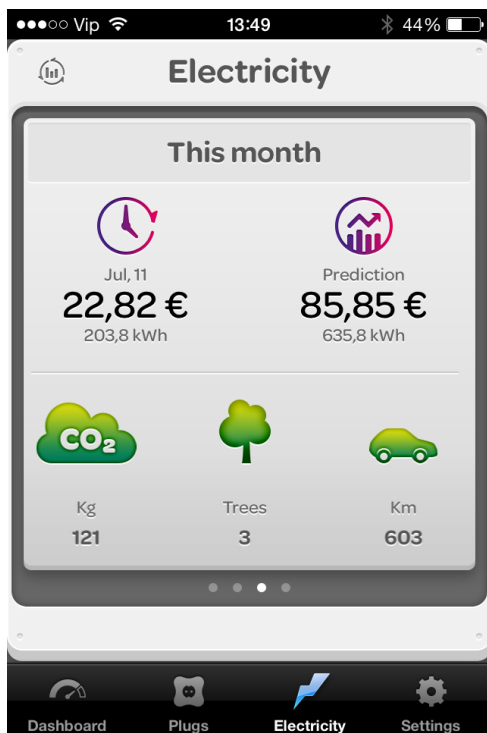


SUPE*C EMS software functionality includes:

- benchmarking
- consumption history
- alarms
- real time consumption visualization
- personalization
- system and equipment control
- system integration
- reports
- other ...



Presenting ecological footprint data, the impact of a person or community on the environment, expressed as the amount of land required to sustain their use of natural resources, is one good and effective way of making aware ourselves and all people looking at the display where one may



post real time data of energy savings, CO₂ emission, effect on trees and land etc.

Users may also monitor it on mobile devices like smartphones, tablets and computers in order to be more frequently informed of the impact of energy use and potentially warned of excessive energy usage in real time. All this helps to increase ecological awareness and initiate more and more activities in terms of saving energy and lead our planet toward healthier future.



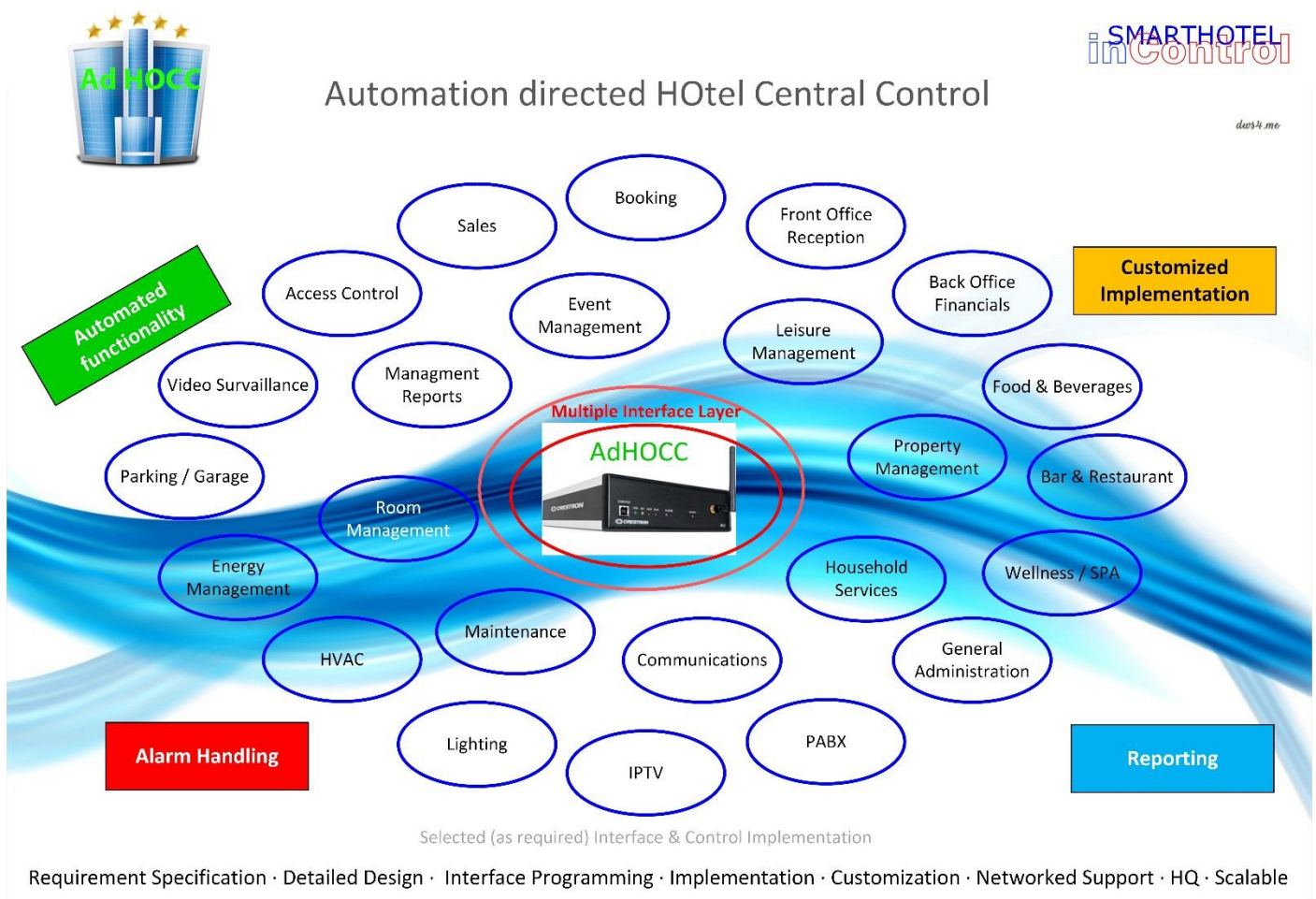
Electrical energy, water, gas, biomass and other energy source impacts displayed on a public display will not only proudly present results in energy savings of the host user, that being local

government, corporation, hotel or any other type of organization but will also significantly influence all viewers to think and act more „green“ ...

This may also include valuable „Green Tips“ offering to the viewers more suggestions as to how to help in preserving the planet and save the nature from devastation. Every single action in that direction has possibility to also be financially supported by an organization, projects and / or funding.



7. AdHOCC – Advanced HOTEL Central Control



Centralize entire operations control – rare in business today which creates astonishing results. Full control of business, up a few levels for automated business process in accordance with owner's / manager's requirements and wishes ...

Make most of the technology used and integrate most of the systems for automated operation actions at all times. Helps provide higher level of service quality to the guests and simplifies all business data reporting procedures.

Automate steps of operation along the way – step by step approach. Initial investments pay off at every next step multiplied!

inControl

inControl is THE partner for hotels with high ecological standards and valued professional services toward the guests.

In addition to being Crestron's International Partner (control systems), inControl also designs, procures, installs, implements and maintains AV, conferencing and presentation solutions of highest quality and simplest use. inControl integrates several technologies and systems in accordance with hotels' business and functional requirements, needs, requests and budgets.

Our partners and technologies available to you:

