



# Smart Spaces in the age of the New Normal

## The context

- A global pandemic had had the most extraordinary impact on our lives, on our societies and upon our economies.
- Wherever we live and work and whoever we are.
- We are now entering a new phase all across our Planet.
- Managing our daily lives and interactions like we haven't seen before. In society as well as in business.
- It will be the new normal.



## Our Smart Spaces Solutions

As the whole world begins to adopt new solutions to a series of new scenarios, Connectis' Smart Spaces can offer a suite of technologies that can help managing our lives in the age of the new normal.

Building Management decision makers are looking at how technology can ease the requirements of new protocols and new processes.

Connectis' Smart Spaces Solutions include a full suite of focused and integrated technology offers that can facilitate:

### In Healthcare:

- Patient Management
- Building Automation

### For all buildings:

- Visitor Management
- Facilities Management
- Preventing Virus Propagation

# Our Smart Spaces Solutions in detail



## Patient Management in Healthcare

### Emergency Management

#### Pre-Triage from home/Smart Hospital App

- In the "New Normal" we want to reduce the patient waiting time in the Emergency waiting rooms. To be able to achieve this, when the patient doesn't have any significant symptoms some of the pre-triage steps can be conducted from home using the Smart Hospital Mobile App.
- Then, an appointment is scheduled with the right doctor in function of the pre-triage result, reducing waiting time in the emergency room as well as reducing close interaction with the medical staff.

#### Patient Location upon arrival

- Using a location system to identify the patient smartphone (smart Hospital mobile app downloaded on it)
- Informing to the admission and nurse systems that the patient has arrived in the Hospital building and ready to be attended.

### Everyday Patient Management

#### Virtual Hospital Waiting Room

Patient Companion App providing all in-patient info and progress.

- Patients' companions can download a mobile app issued by the Hospital which can keep them fully informed during all the in-patient movements, medical tests, etc.
- Reducing the need for companions to be sitting in the waiting room or crowding hospital corridors waiting for information.
- Maintaining stream of notifications about the in-patient progress (surgery, procedures, exams or else) and its actual location within the Hospital (which department, which room, etc.)
- Availability to authorized companions to receive a code the day before and to be inputted on their mobile app to be able to receive the associated notifications.



Facial recognition results

Access rights confirmed



Mask detection

Body temperature sensor

## Visitor Management

### Remote Visit Pre-registration

#### Visitor Face Recognition or QR code pre-registration from home

- Pre-registration from home using a webpage link sent with invitation.
- The Visitor has the option of choosing:
  - Face Recognition to access the building (with a photo being taken)
  - A QR Code to access the building (which is then downloaded by the Visitors' smartphone)
  - Additional information requested
- Enabling access to the Visitor when he arrives to the building without any interaction with the Lobby staff
  - Using Face recognition mode
  - Using QR Code mode

## Preventing Virus Propagation

### Thermal Scanners at Entrance

#### Connectis' bespoke integration between sensors, user identity, security alarms and access preferences (doors, elevators, facilities) is the unique and critical element of this solution.

- Temperature detection at Lobby for both Employees and Visitors.
- Visitors register remotely and choose either Face Recognition or QR Code to be granted access to the Building.
- In addition to Face or QR Code recognition at arrival, a thermal scanner (installed on top of the turnstile or within the kiosk) will measure the temperature and only if the Visitor is recognized and the temperature is OK, access is granted and the turnstile will open.
- Employees would benefit from the same process and steps.





## Building Automation in Healthcare

**'No Touch' technologies that enable room and corridor lighting, door opening and more in patient and nurse rooms**



- Answer face a nurse call button pressed during the night.  
When a patient press the nurse call button during the night, this will be the only "touched" button because automatically:
  - One room lighting will be turned on
  - The room door will be open
  - The lightings in the corridors from the nurse room to the patient room will be turned on

- Answer face a blue code in a patient monitor:  
When a blue code (tachycardia or arrhythmia) is detected, automatically:
  - One room lighting will be turned on
  - The room door will be open

## Facilities Management in Public and Private Buildings

Critical cleaning management based on IOT sensors alerting refill, emptying or cleaning up.

### Hand Sanitizer Liquid Dispenser Sensors

- Sensors measuring when the Liquid must be topped up or refilled
- Sending alerts to staff when action is needed

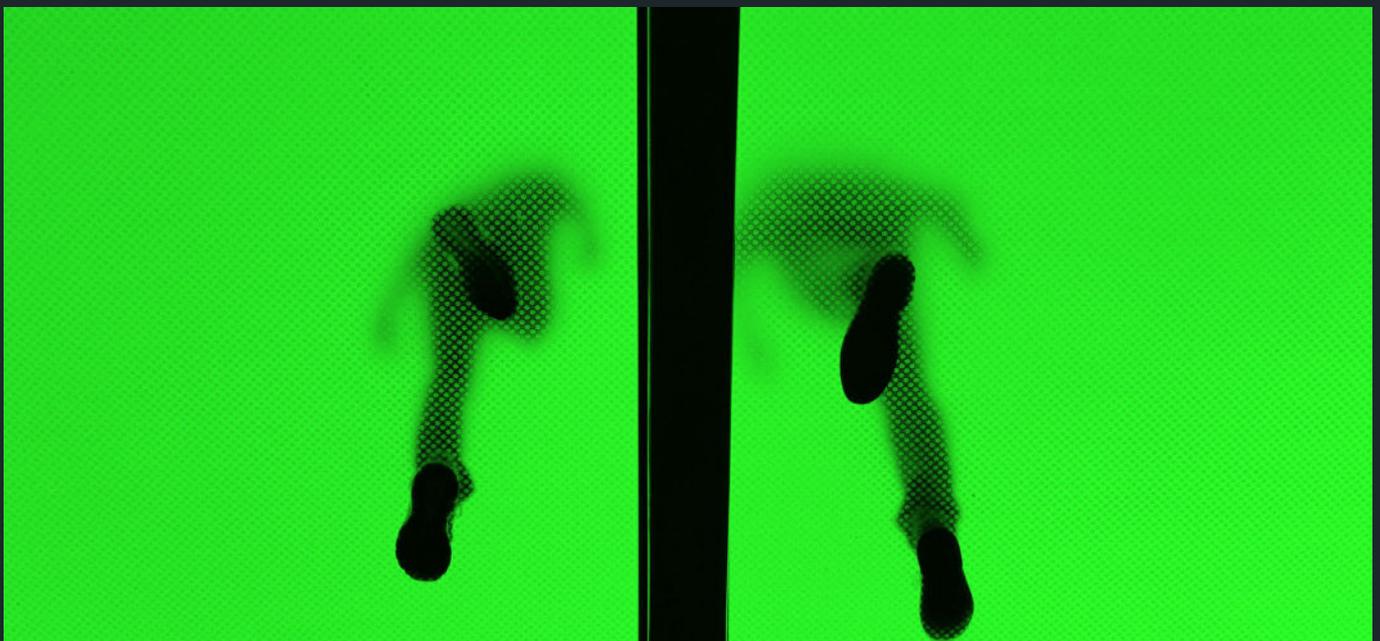
### Trash Container Sensors

- Sensors measuring when trash container needs emptying
- Sending alerts to staff when action is needed



### Over-used Toilets

- Monitoring in-bound traffic in toilets and measuring how many people use it
- Sending alerts to staff when cleaning/ sanitising action is needed (pre-established threshold)



## Why Connectis

We have accumulated over the years a strong business knowledge within this area, working with Hospitals, Transport Operators and Real Estate companies.

By delivering a number of IOT and Smart Spaces solutions to a wide range of customers in different regions of the world, we have a deep understanding of the challenges needed to maintain buildings' efficiency and reduce operational costs whilst guaranteeing users' safety at the same time.

At Connectis, we have also developed our own bespoke Integration Hub, thought and created to be flexible and scalable, integrating sensors, devices and systems from different vendors and technologies. We bring it all together, whatever the vendors, the systems and the devices.

Our Smart Integration approach delivers unified visualization operation, building automation exchanging data and triggering actions between systems and devices, as well as predictability, where machine learning capabilities enable anticipation of events inside a given space.

We have focused our comprehensive offer in this area on four market segments where we can add significant value to specific business contexts:

- Smart Buildings
- Smart Hospitals
- Smart Transport Hubs
- Smart Cities



## Contact us

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### About Connectis

Connectis is part of Getronics Group, a global ICT integrator headquartered in the Netherlands, with an extensive history that extends over 130 years. With over 3,700 colleagues across Europe, Asia Pacific, and Latin America, Connectis' vision is to reimagine the digital future, one customer at a time. We do this by leveraging an integrated and secure-by-design portfolio around Digital Workplace, Business Applications, Smart Spaces, Multi-Cloud, Field & Onsite Support, Service Desk, Network Infrastructure, and Security & Compliance, to serve our more than 1,800 customers in both public and private sector. Getronics Group is the leading member of the Global Workspace Alliance. This unique model provides customers with consistent IT services across 185 countries, with one single point of contact and billing entity yet maintaining the local touch and flexibility of a local partner.

