

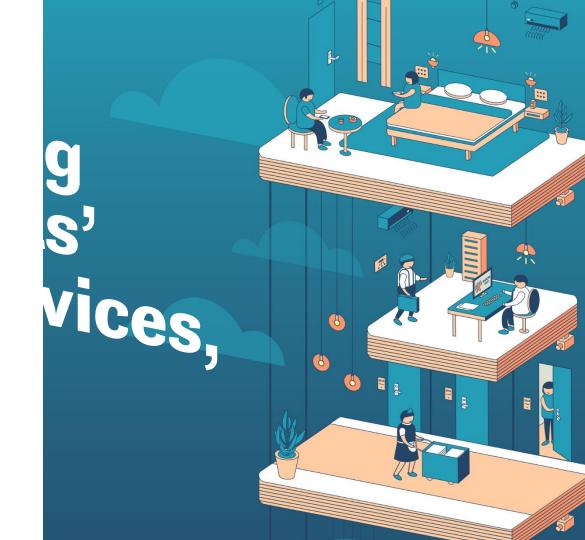
NIAGARA SUMMIT

CONNECTING THE WORLD

Hotel of Things

William Achury President Sanko Telecom







The Prince Gallery Tokyo Kioicho



Data:

| Opening : | July 27, 2016 | | | | |
|-----------|----------------------|--|--|--|--|
| Floors : | 30~36 7 Floors | | | | |
| Rooms : | 250 | | | | |
| Size : | 42~148m ² | | | | |

Prince Category Brand



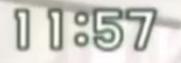


Prix Versailles Award)2016



The Prix Versailles is an annual award dedicated to commercial architecture which was inaugurated in 2015. Discerned at the headquarters of the United nations Educational, Scientific and Cultural Organization (UNESCO) in Paris, it encompasses several categories, with the winners being selected by an independent judges panel. It is the world architecture award for stores, hotels and restaurants.





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Welcome Scene



Room Control



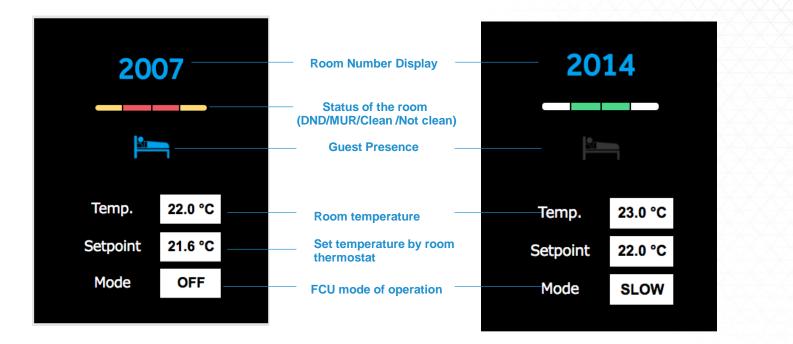
Simple Floor Indicator: Guest Room Visualization



Same Indicator as Corridor Panel On your PC/ Tablet/ Smart Phone



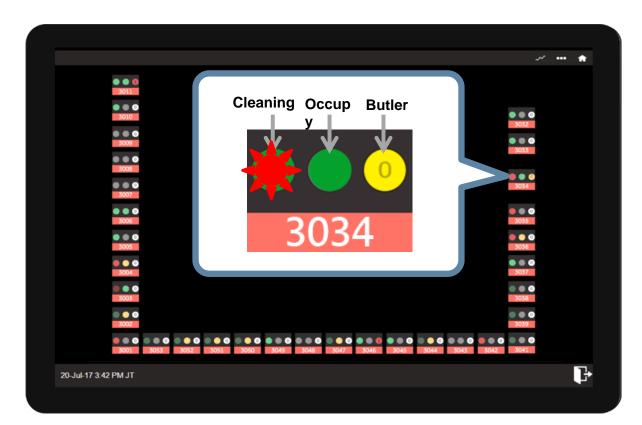
Guest Room Visualization: Status of each room







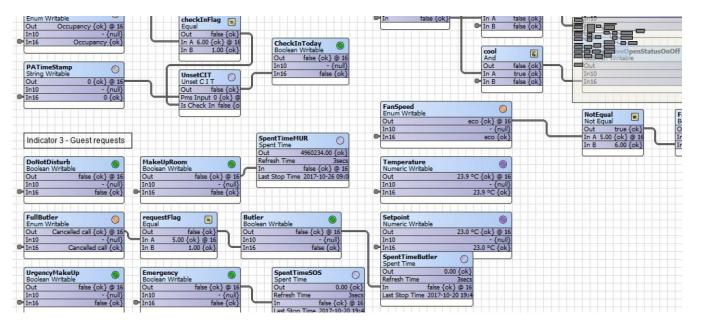
Floor Indicator: Guest Request Visualization



Indication Example

| Check in | $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ |
|------------------------------|--|
| Dian to loove to day | |
| Plan to leave today | 000 |
| Late Check out | , 00 |
| Check out (Need Cleaning) | •00 |
| Out of service | •00 |
| Cleaning | # 00 |
| Waiting for check | * 00 |
| Accept cleaning/Vacant | 000 |
| Оссиру | $\bigcirc \bigcirc \bigcirc \bigcirc$ |
| Un-Occupy | 000 |
| Assign | $\bigcirc \bigcirc \bigcirc \bigcirc$ |
| Emergency cleaning | 00 |
| DND | $\bigcirc\bigcirc\bigcirc$ |
| MUR | $\bigcirc\bigcirc\bigcirc$ |
| Alert | 00 |
| Butler | 000 |

Floor Indicator: Guest Request Visualization



Indication Example

Check in

Plan to leave today

Late Check out

Check out (Need Cleaning)

Out of service

Cleaning

Waiting for check

Accept cleaning/Vacant

Occupy

Un-Occupy

Assign

Emergency cleaning

DND

MUR

Alert

Butler

Room Status Listview

| | | | | | | | | ~ • | ••• 🟦 |
|-------------------|----------------------|--------------------|----------------|--------------------|--------|-------------------------|------------|--|--------------|
| 30F | Check In Time 31F | In/Out Room 32F | 33F | 34F | 35F (F | PassBox 36F | <5 | | >30 |
| 部屋番号 | チェックイン | 在一个在 | Do Not Disturb | Make Up Room | SOS | パスボックス | М | UR依頼ステータス | |
| 3001 | 20-Oct-17 7:46 PM | 26-Oct-17 9:01 AM | | | | | 階 | 部屋番号 | MUR |
| 3002 | 06-Mar-18 5:52 PM | 07-Mar-18 11:02 PM | | | | | 36F | 3610 | C |
| 3003 | | | | | | | 32F | 3244 | С |
| | | | | | | | 31F | 3104 | С |
| 3004 | 05-Mar-18 11:07 PM | | | | | | 30F | 3033 | С |
| 3005 | 06-Mar-18 11:35 PM | 08-Mar-18 9:16 AM | | 08-Mar-18 9:15 AM | | Make Up Room | 235 | Z01Z | C |
| 3006 | 06-Mar-18 9:59 PM | 08-Mar-18 8:28 AM | | | | Request List | バスオ 階 | ^K ックス依頼ステー: <u> 副^{生曲}</u> パスボ | タス ドックス依頼 |
| 3007 | | 07-Mar-18 2:39 PM | | | | | | | |
| 3008 | | 07-Mar-18 2:37 PM | | | | | | | |
| 3009 | 06-Mar-18 11:37 AM | 06-Mar-18 9:19 PM | | | | | 7 | | |
| 3010 | 06-Mar-18 3:56 PM | 08-Mar-18 8:32 AM | | | | Pass Box Status List |) | | |
| 3011 | 03-Mar-18 1:38 PM | 03-Mar-18 1:43 PM | | | | | 階 | SOS警報 副生曲 | SOS |
| 3032 | 04-Mar-18 3:45 PM | 04-Mar-18 3:55 PM | | | | | <u></u> /A | _무 | 303 |
| 3033 | 04-Mar-18 4:26 PM | 08-Mar-18 8:24 AM | | 07-Mar-18 11:50 PM | | | | | |
| 3034 | 05-Mar-18 4:51 PM | 08-Mar-18 7:43 AM | | | | \bigwedge | | | |
| 3035 | 06-Mar-18 5:47 PM | 08-Mar-18 9:03 AM | | | | SOS Alarm List | | | |
| 08-Mar-18 9:31 AM | IT | <u></u> | | <u> </u> | | | | | - ŀ |

Room Status History Report (Daily)



Room status History Report (Weekly)



Pre Arrival Preparation













GUEST ROOM TECH





MOBILE ENGAGEMENT

SMART WIFI SOLUTION







TRIDIUM 19



Guest Experience

Pre-arrival: Booking



Guest Experience : Smart Front Kiosk

At arrival



Smart Access Control

Mobility × Key × Converge Infrastructure



Mobile Key Mobility × Key × Elevator & Room Door



Smart User Interface

Universal Design = Simple × Icons



Smart Life Style Hotel

Augmented Reality=Localization × 演出





Voice Control

English and Japanese



Smart Digital Mirror Touch screen × Multilingual touch display



Smart Digital Mirror



Smart Digital Mirror Space Saving= Mirror x TV



DEMO



API's make integrations between the above vendors and the Guest Room Management System seamless. API was created in a "open" manner so that the integration with many other IP-TV Vendors is possible or easy to achieve.

Intelligent Touch Technology

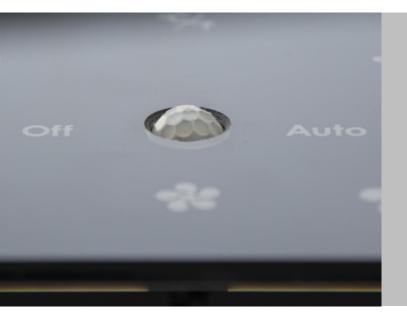
Future-proofing hotels INTEREL devices are equipped with Bluetooth Low Energy antennas and create a property-



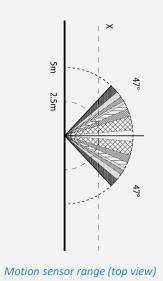
Each Touch panel can be custom designed to meet the room







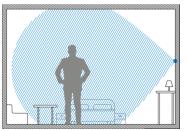




Built-in Motion

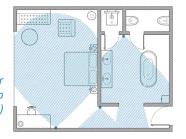
Seavings on containment and cabling (labor costs for installation)

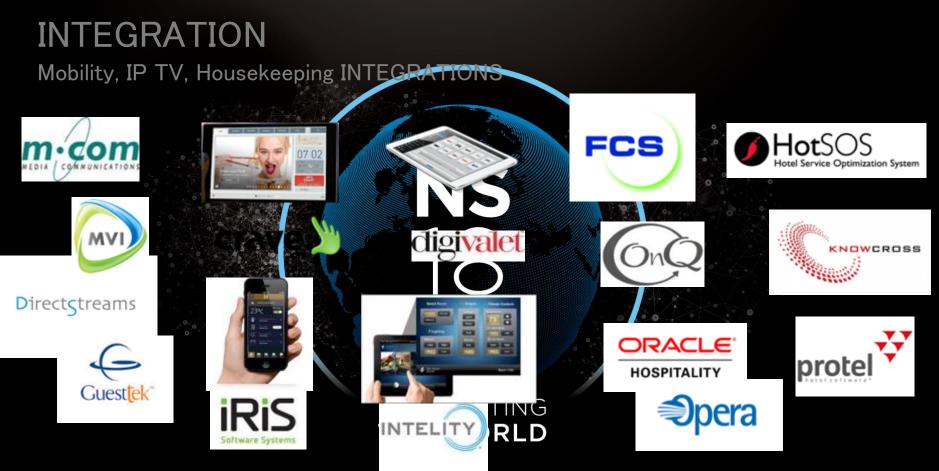
• Savings on cost of external motion sensor



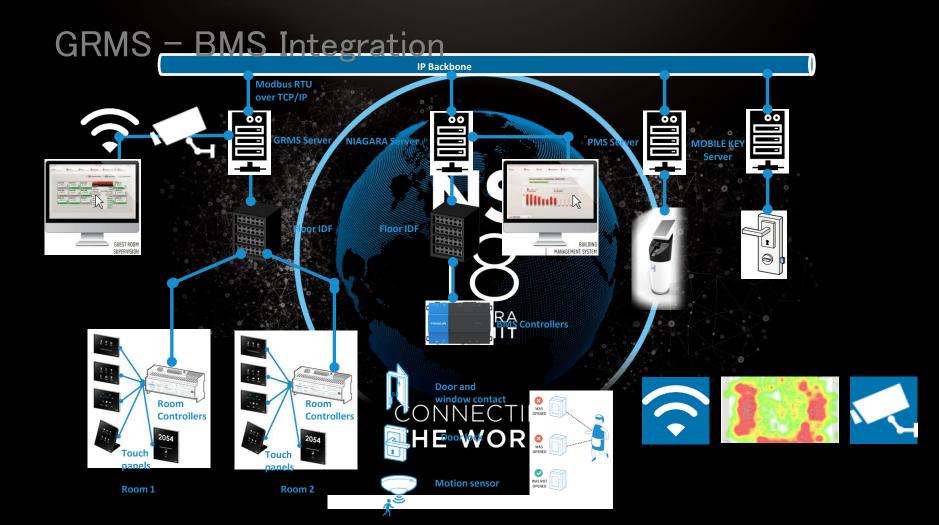
Motion sensor coverage (side view)

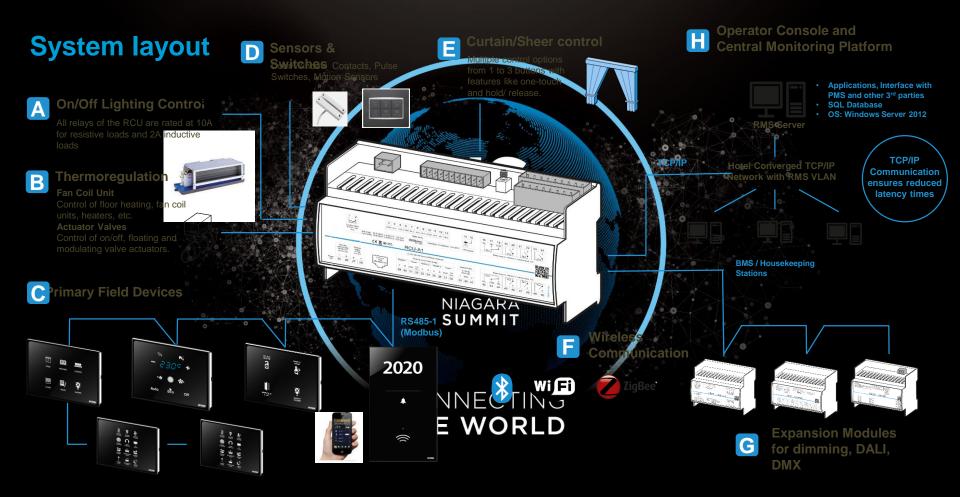
> Motion sensor coverage (top view)





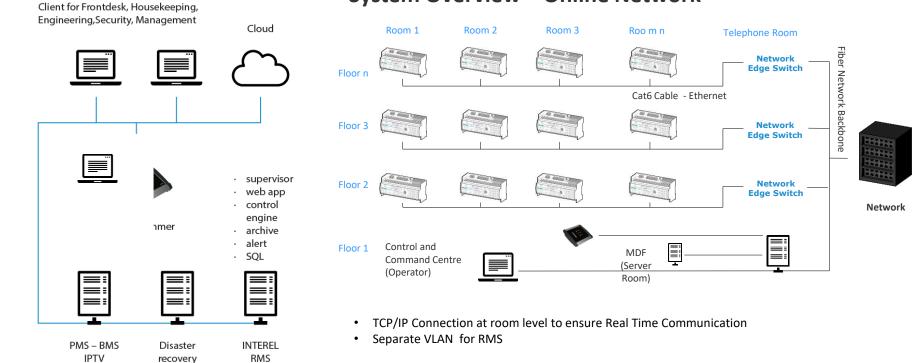
API's make integrations between the above vendors and the INTEREL Guest Room Management System seamless. INTEREL API was created in a "open" manner so that the integration with many other IP-TV Vendors is possible or easy to achieve





Network infrastructure - IP @ room level

RMS Server Room & Operator Control Centre



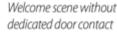
System Overview – Online Network

Door Lock Integration

- No single point of failure •
- Advanced real time event exchange
- No additional wiring for door lock system
- Eliminate ZigBee mesh networks ٠
- Most cost effective way to network door locks ٠
- Enables mobile key technology













Workflows based on card-level detection

Real Time Welcome Scene

Energy & Workflow Savings

Faster turn-around of Rooms



HAFELE





Smart Monitoring and Control



Lock System meets Room Control

Door Lock Integration

Using synergies, lower operational costs and increase guest experience

- No separate ZigBee antennas and networks
- No additional cabling ٠
- Realtime data exchange Welcome Scene Operational Efficiency

Dialock door lock sends a signal when the quest enters- INTEREL controls lights, temperature and curtains.



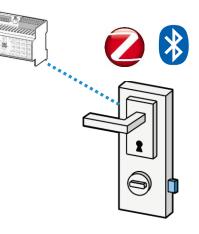
Dialock door lock reports who enters (quest or hosuekeeping staff) – INTEREL enables or disables functions accordingly.

Dialock door lock sends a signal -INTEREL motion sensor scans the room to validate guest presence and controls lights, temperature and



Energy Saving





SALTO

HAFFLE ASSA ABLOY

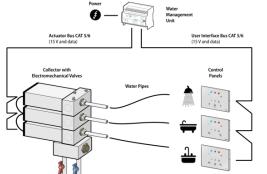
KVKV

Water Management meets Room Control

Water and Energy Management Integration

Using synergies, lower operational costs and increase guest experience

- One Central Control Systems Water + Energy
- Intelligent Touch Panel Technology
- Integration with FCU, Door Lock
- Real-time data exchange
- Change temperature using pre sets
- Fine tune-up temperature
- Turn water on
- Scene for hand washing
- Turn water off









Connect B smart® Internet of Things Infrastructure

Future-proofing hotels

SANKO devices are equipped with Bluetooth Low Energy antennas and create a propertywide wireless online network. Third party devices can be brought online, exchange their data and trigger actions on other connected systems.

Selective Minibar Refill

Air Quality

Minibar-door sends signal over Bluetooth - If the door was opened a refill request is sent to the staff

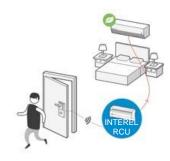
Air quality sensor sends signal over Bluetooth – If the quality is low the air is being exchanged through the AirCon

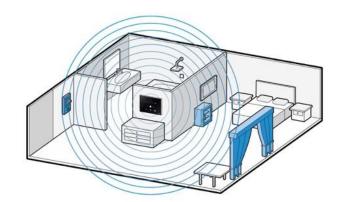
Energy Saving

Multiple sensors detect presence of guest - If the guest leaves the room the energy saving mode starts







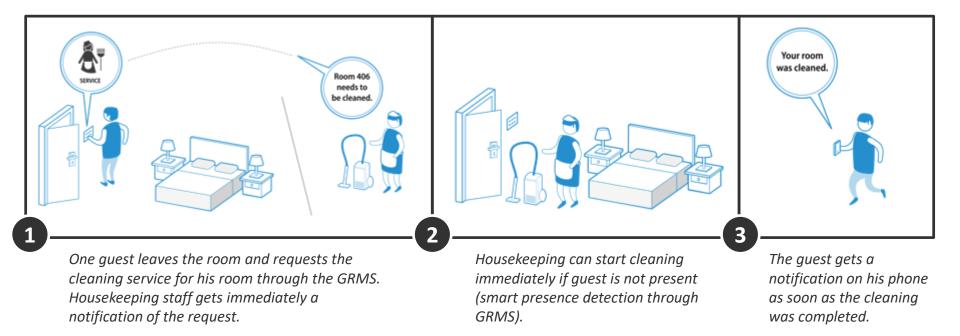


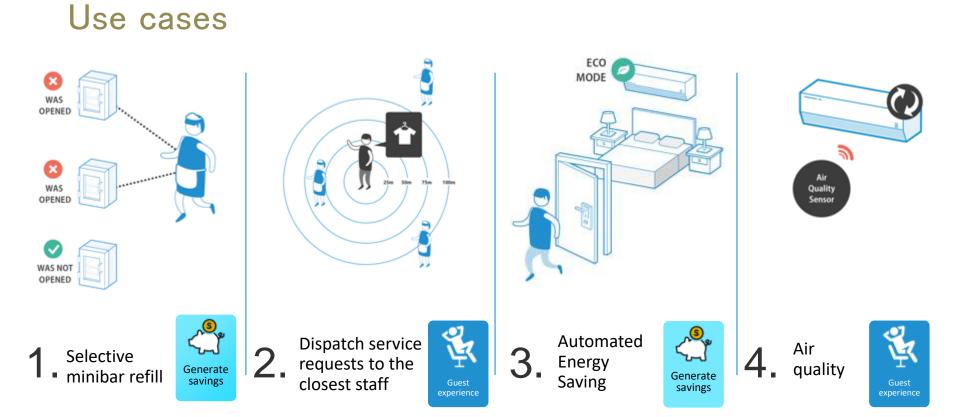
Door and window contact

> Door lock

Motion sensor

Enhanced services for VIP guests – FCS / Hot SOS Integration *"Express Cleaning Service"*







Pop-up to notify the guest when the bell is ringing





ON

Interactions with IP-TV system are used for presence detection

Guest is present

0

OFF

