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## PEOPLE AND TECHNOLOGY

Healthcare Digital Transformation through IoT and AI

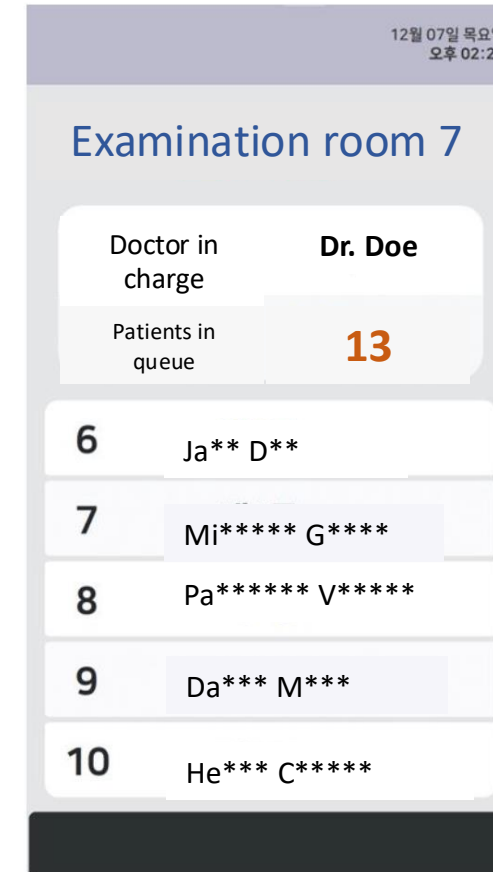
### IndoorPlus+ SmartCare IoT Healthcare Solutions

## SMART OUTPATIENT

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# IndoorPlus+ Smart Outpatient

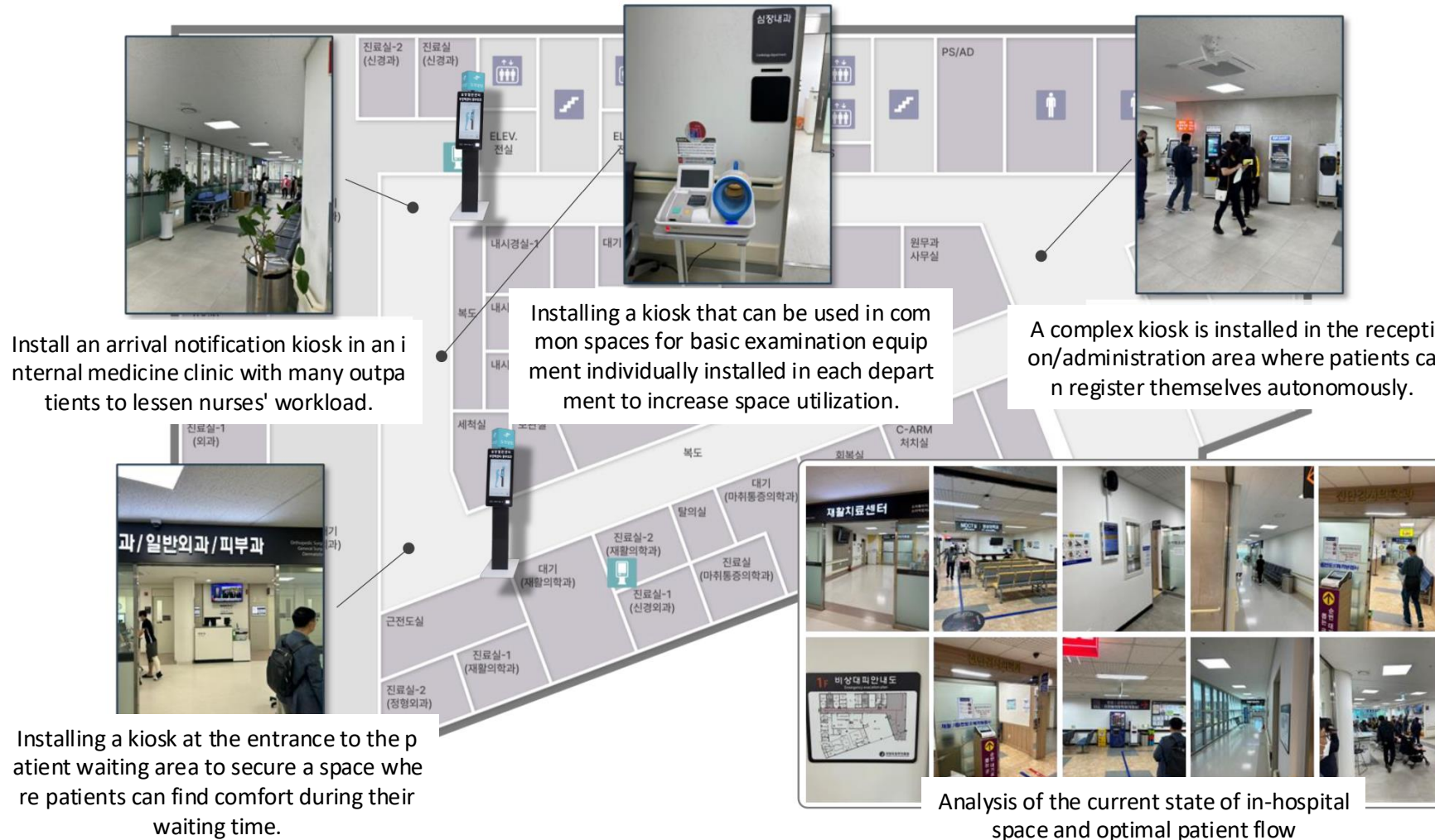
## Introduction and establishment of a smart hospital model



# IndoorPlus+ Smart Outpatient

## Execution strategy

We design and apply a customized optimization solution through analysis of specialized data (spatial configuration, patient movement path) based on on-site hospital inspection.



Real-time visibility of patient status (waiting, registered, in examination, etc.) and clinic workload for all medical personnel.

Reduction of nurses' workload

Reduction of patients' waiting times

Increase of patients and medical staff satisfaction

Increase of clinic workload efficiency

# IndoorPlus+ Smart Outpatient

## Smart public hospital performance target measurement and monitoring system

We provide a status monitoring system that can track and query the entire outpatient treatment cycle for measuring smart public hospital performance goals and KPIs.

Outpatient treatment status

Outpatient monitoring > Outpatient treatment status

Outpatient treatment status

19

예약 전체

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미도착

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진료 대기

2

진료 대기 미등록

3

진료 완료

6

진료 미완료

날짜

2023-08-01

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오늘

진료환자 목록

검색

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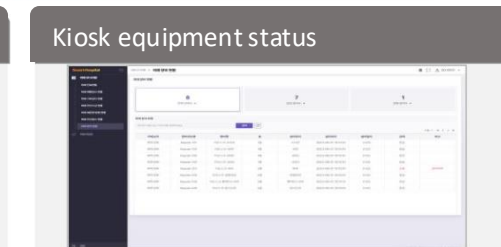
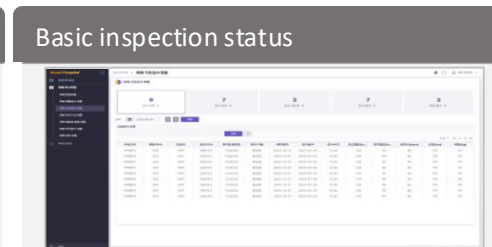
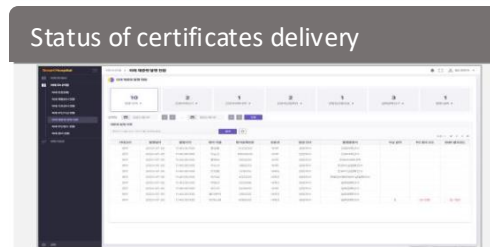
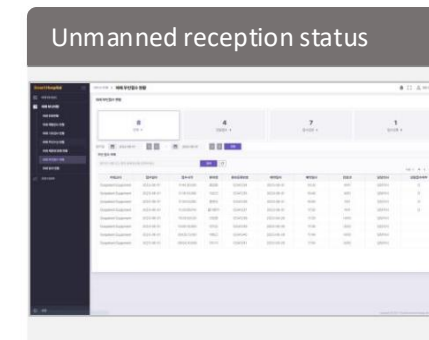
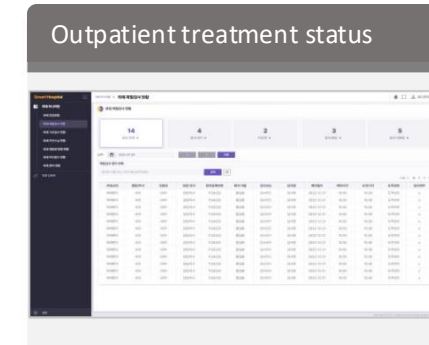
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Key Features

- Information search filtered by patient status
- Search function using similar words
- View patient treatment basic information by appointment order

Main screen:

- Outpatient treatment status
- Diagnostic test status
- Unmanned reception status
- Certificate issuance status
- Basic test status
- Kiosk equipment status

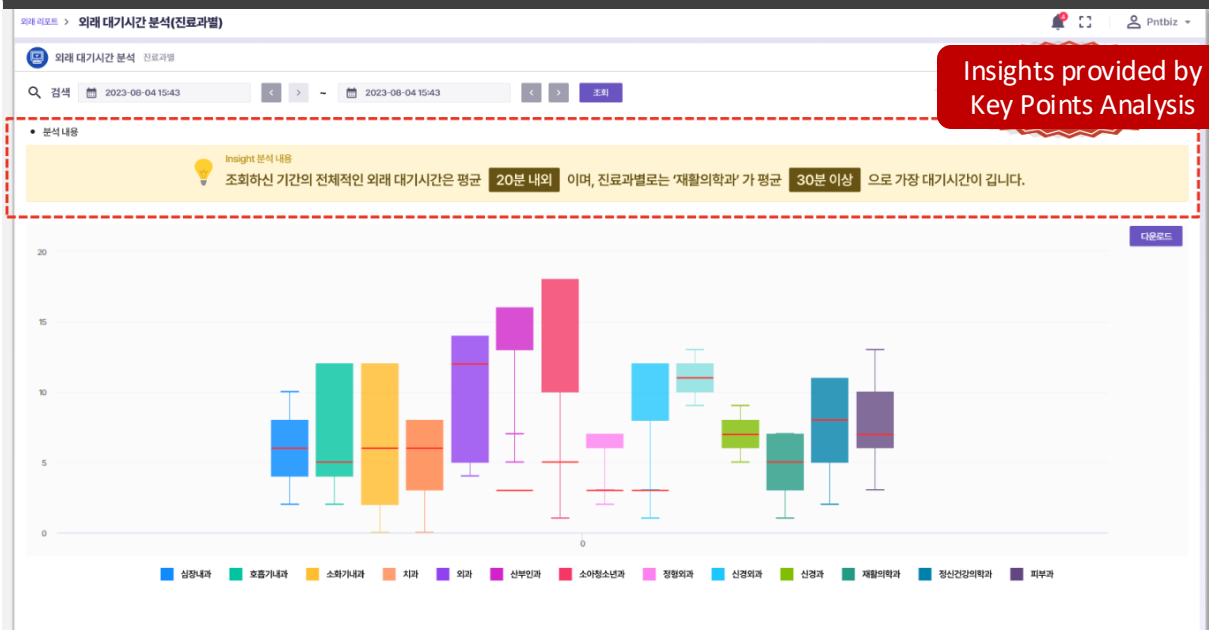


# IndoorPlus+ Smart Outpatient

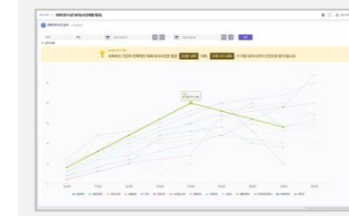
## Smart public hospital performance target measurement and monitoring system

Our system provides analytics tools to determine smart hospital performance indicators. In addition to viewing analytics data, we provide a summary analysis with key insights of the contents presented by the available data.

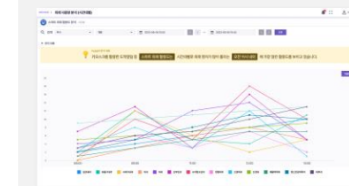
Outpatient waiting time analysis (by department)



Waiting time (by period)



Utilization (by period)



## Key Features

- Analysis by department
- Analysis by time range
- Analysis by day of the week
- Analysis of past data
- Analysis data screen
- Waiting time (by time range)
- Waiting time (by department)
- Utilization (by time range)
- Utilization (by day of the week)
- Utilization (by department)
- Crowding by department

Outpatient utilization (by day)



Outpatient utilization (by department)



Analysis of outpatient congestion

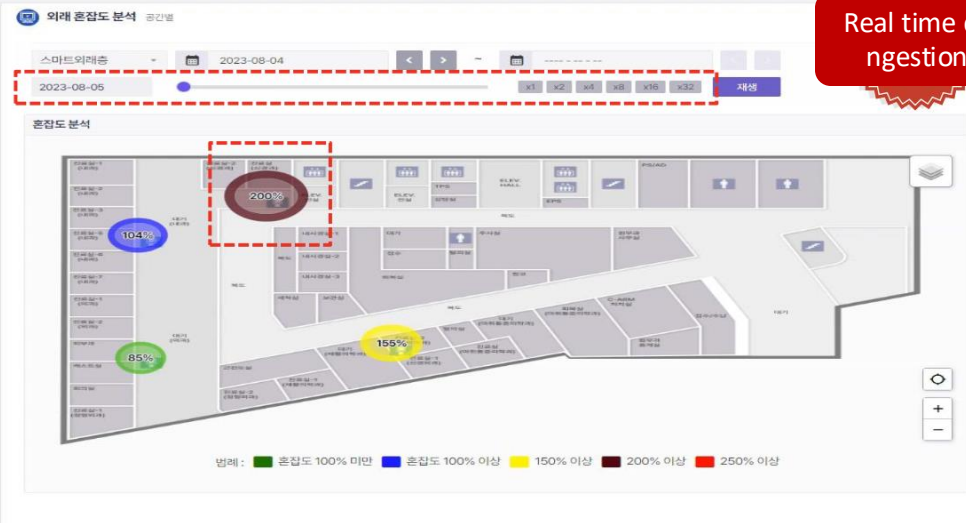


# IndoorPlus+ Smart Outpatient

## Smart public hospital performance target measurement and monitoring system

We monitor the status of in-hospital kiosks and effectively plan additional introduction and configuration changes of the system through analysis of outpatient congestion.

### Analysis of outpatient congestion



### Key Features

- Real-time congestion analysis of external space
- Past congestion visualization Replay (1x, 2x, 4x, 8x, 16x, 32x)
- Intuitive congestion status presented with congestion heat map

### Outpatient Clinic Dashboard



### Key Features

- Real-time kiosk usage status
- [Outpatient congestion analysis]
- Number of patients waiting by department, number of patients with treatment completed
- Notification of kiosk abnormalities
- System off, paper shortage, ink shortage, etc.



# IndoorPlus+ Smart Outpatient

## Smart public hospital performance target measurement and monitoring system

Real-time outpatient integrated dashboard: We make real-time outpatient status verifiable at a glance. (system utilization rate, waiting time, number of people waiting, congestion, etc.)



Feature	Details
1. Smart Outpatient Utilization - Number of Reservations Waiting	<ul style="list-style-type: none"> <li>Number of smart outpatient system usages on the same day / Number of reservations on the same day</li> <li>Smart outpatient system usage rate</li> <li>Trend of usage over 3 months</li> </ul>
2. Average outpatient waiting time	<ul style="list-style-type: none"> <li>Average outpatient waiting time</li> <li>Total treatment time within 15 minutes</li> <li>Average treatment time over 3 months</li> </ul>
3. Smart Outpatient Utilization by Department	<ul style="list-style-type: none"> <li>Smart outpatient utilization rate by department</li> <li>Average outpatient waiting time by department</li> <li>Total treatment time within 15 minutes by department</li> <li>Average treatment time by department for 3 months</li> </ul>
4. Total outpatient waiting time by department	(Real-time) Current status of outpatient waiting times by department on the same day
5. Smart Outpatient Utilization - By Day of the Week	Smart outpatient utilization rate by total department by day of the week (compared to number of reservations)
6. Outpatient waiting time by time zone	(Real-time) Waiting time for treatment by department and time range
7. Number of people waiting for treatment by time range	(Real-time) Number of patients waiting for treatment in each department
8. Real-time outpatient space congestion	(Real-time) Outpatient Space Congestion Heatmap



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Actionable **Geolocation Intelligence** and **Smart Sensing**