

Starting from Scratch

framery O

SILENCE

HAPPINESS

STYLE

SPACE EFFICIENCY



VENTILATION

WORK LIGHT

CHAIR

DESK

ELECTRICAL OUTLET

Making it **Smart** with **IoT**

TECHNICAL HEALTH

FAN PERFORMANCE LIGHT OPERATION SENSOR COMMUNICATION

ENVIRONMENTAL CONDITIONS

AIR QUALITY ANALYSIS LIGHT LEVEL MONITORING

USER POSTURE

STANDING AND SITTING DETECTION

UTILIZATION RATE

AVAILABILITY AND BOOTH TIME



MULTIFUNCTIONAL LIGHTING

RESERVATION STATUS FEEDBACK REGISTRATION MOOD LIGHTING

USER HAPPINESS

GESTURAL FEEDBACK

USER ACTIVITY

TABLE TOUCH AND OBJECT DETECTION

DOOR OPERATION

TOUCH AND MOVEMENT DETECTION

PEOPLE FLOW

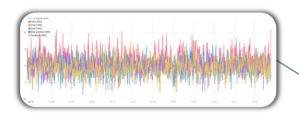
HUMAN PRESENCE NEAR THE BOOTH





Creating the **Digital Twin**





RAW IOT DATA

MEASUREMENT SIGNALS EVENTS



PROCESSED DATA

HUMAN PRODUCTIVITY ENVIRONMENTAL QUALITY TECHNICAL RELIABILITY



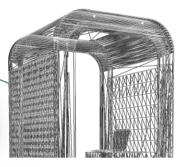
IDENTIFYING DATA

QR CODE CUSTOMER



LOCATION DATA

FLOOR PLAN



3D MODEL

BOOTH STRUCTURE

Views into the Digital Twin





HISTORICAL TRENDS AND PATTERNS





Liquorice Central stage

3D view

© Booth time 1h 12min

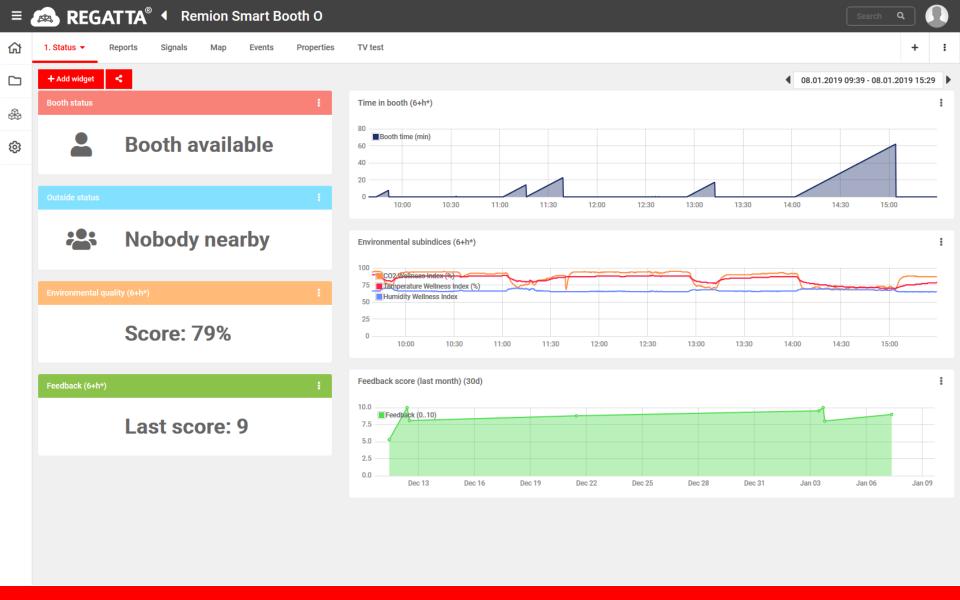
§ Environmental quality 77%

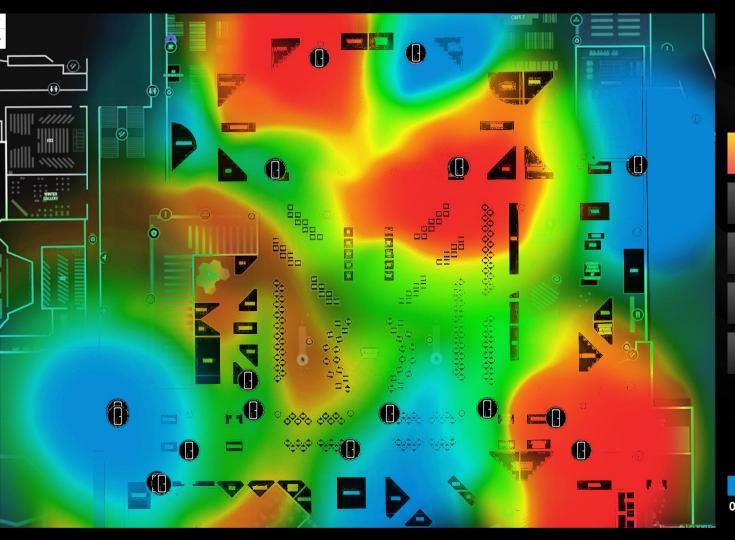
III Usage

48% week 37% month

© Feedback 9.1 / 10 week

Return to fleet view





framery

Choose displayed heatmap

III Utilization

② Session duration

Usage type

© Customer feedback

& Environmental quality

Color separation

0% 100%

Value Creation













FACILITY MANAGER

PRODUCTIVITY, LAYOUT, ENVIRONMENTAL QUALITY



HR MANAGER

USER HAPPINESS, USAGE DIARY



BUILDING ARCHITECT

PEOPLE FLOW



USAGE

DESIGNERS

USAGE TYPES AND FEEDBACK



SERVICE PERSONNEL

TECHNICAL RELIABILITY





DESIGN AND IOT **DATA**

