



Smart Retail Platform.

Shedding light on a world of possibilities



What we do

We transform store spaces into digital, providing an innovative data platform that uses existing light fixtures infrastructure for a quick and an easy installation





Juganu Platform Benefits



Easy Installation

Just replace the lighting fixtures – no need for additional electricity infrastructure. Simple as replacing a light bulb



Wireless Backhaul

Fixtures delivered the data wirelessly without the need of cables



Superb lighting

Very high efficacy saving over 30% energy compared to most LED fixtures installed

Store light management to allow optimal light in a store according to time, area in the store, and light level requirements providing optimal light level



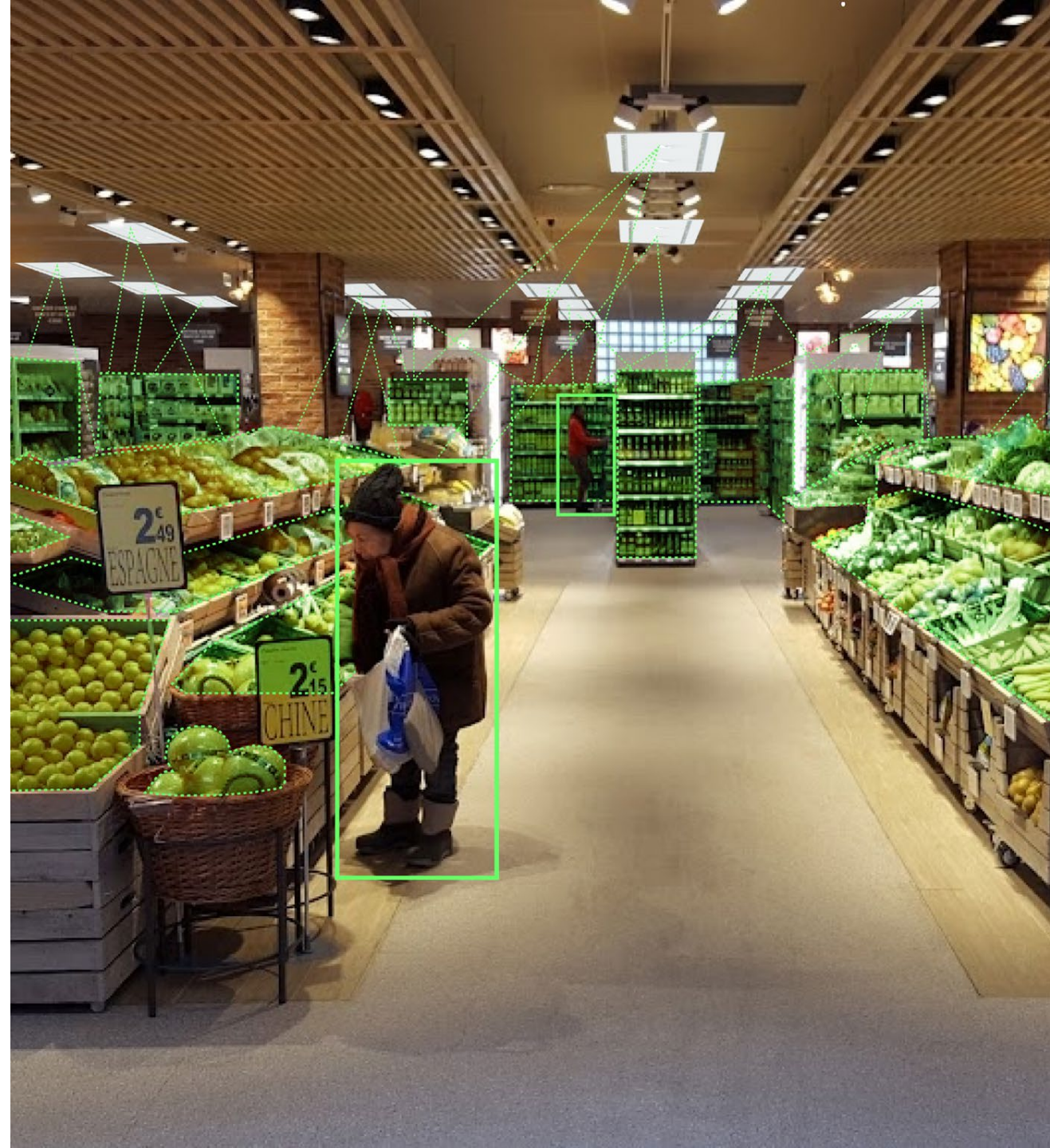
Compatibility and integrations

Allows the addition of 3rd party applications and technologies according to needs



Main Goals

- ✓ Increase revenue
By reducing operational cost
- ✓ Increase Sales
By increasing customer satisfaction
- ✓ Security
Full store coverage CCTV
- ✓ Provide essential data on the store
Data such as shelves, line in cashier, traffic



Juganu's All-in-One Solution

Increase revenue and reduce operational cost

● A PLATFORM

Using computer vision to digitize spaces and unify data for diverse uses.

Enables the store team to easily share data with third parties – allowing to enhance capabilities

● Real-time In-store monitoring

Edge Processing:

- Allowing low latency, real-time responses and fast notifications
- Ensuring data privacy

● Low Cost & Rapid installation

Simple Deployment - **Wirelessly** installed. No need to pull cables, only utilizing the existing lighting electricity infrastructure.

● Keep Store Aesthetics

Integrated into the stores design, without the need for visible cables or rod mounting



Platform Landscape



JUGANU BASE SERVICES

Queue management



On-shelf availability



BI dashboard

Store traffic



Lighting Management



Mobile notification app

ENHANCED CAPABILITIES

CCTV

Data for store's teams

Store WiFi

API to 3rd parties

API | SDK



SHARED DATA

AI Edge compute

Optical Sensors

Lighting and dimming

Type A

Optical Sensors only

Type B

Lighting and dimming only

Type C

Proprietary wireless backhaul



Full store coverage

Lighting, Sensors, AI, Edge computing,
with Wireless backhaul

Data and Use-cases

DATA

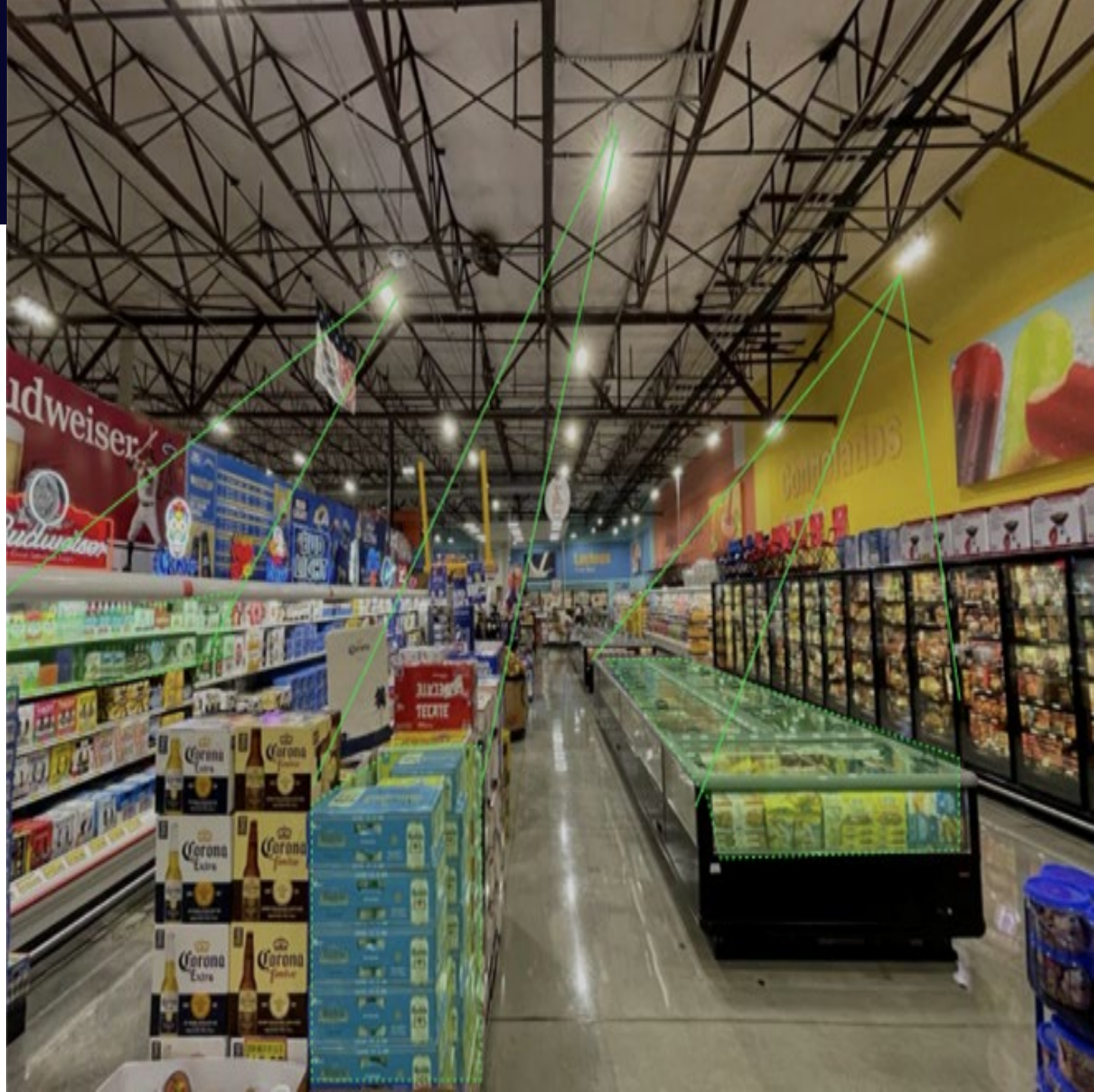
Essential data such as People count, heatmap
and other, geared for Data Analysis team
within chain headquarter

BI processed data for store level

Filtered data BI for alerts and notifications

Use cases

Specific uses cases developed by Juganu or
by 3rd party using Juganu platform



Juganu's Base Services

Queue Management

- Measuring count & dwell time at cashier-operated checkouts
- Measuring count & dwell time at SCO
- Measuring store entrances vs checkouts dwell time
- Notification when a queue is slow

Store Traffic

- Measuring number of entrances
- Measuring number of exits
- Measuring areas popularity

On Shelf Availability

- Statistics on shelves emptiness
- Notifications on shelves emptiness, allowing the store staff to replenish according to priority

Lighting Management

- Controlling single or groups of fixtures – per client request
- Increase efficiency, saving energy and cost
- Provide high quality lighting
- Dynamic control and monitor light dimming level per area
- Provide a light program per area

Juganu's Applications

- Out of the box web data dashboards:
BI from near-real-time to historical data
- Mobile notification app

Enhanced capabilities

CCTV

- Real Time video stream
- Full store coverage
- Keeping EU Privacy regulations
- Out of the box Video Management system application
- Integration into other video management systems

Data – Store Analysis

- Enabling store data teams to build their own applications
- Allow monetization of data by selling it to their brands

API for 3rd Party Applications

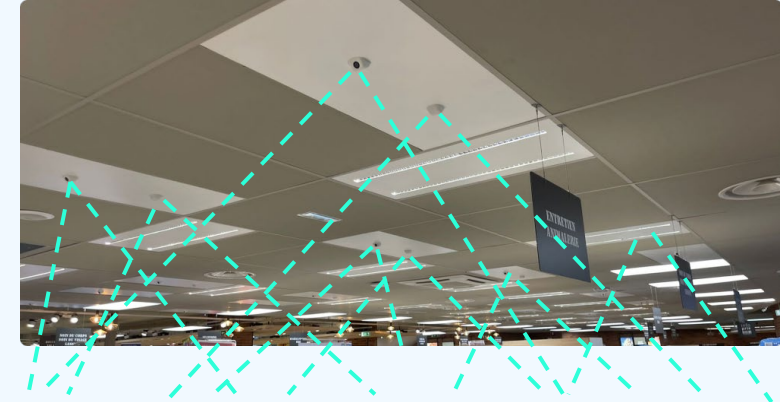
- Partnering with third parties to leverage the data, creating additional value and expanding its range of applications
- Implementing third-party analytics **at the edge** to expand the range of use cases with **minimal latency**

How it works

1

Infrastructure

Store lighting with sensors

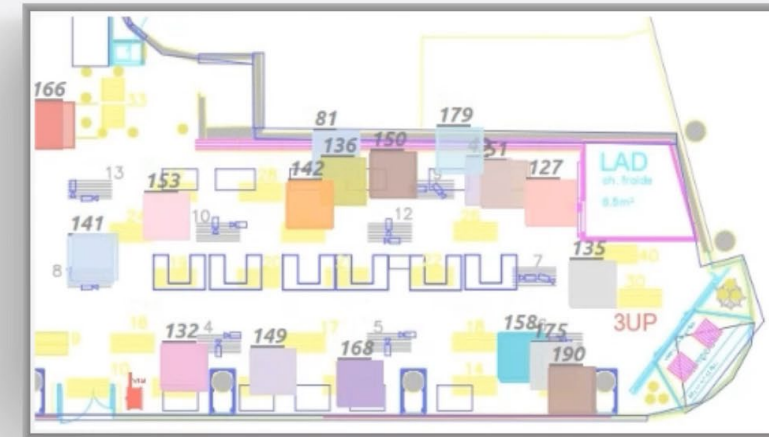


2

Sensors capture Raw Data:

Shoppers movements, shelves, employees

Raw Data



3

API/Application

Real-time alerts, BI, Analytics, 3rd party integrations

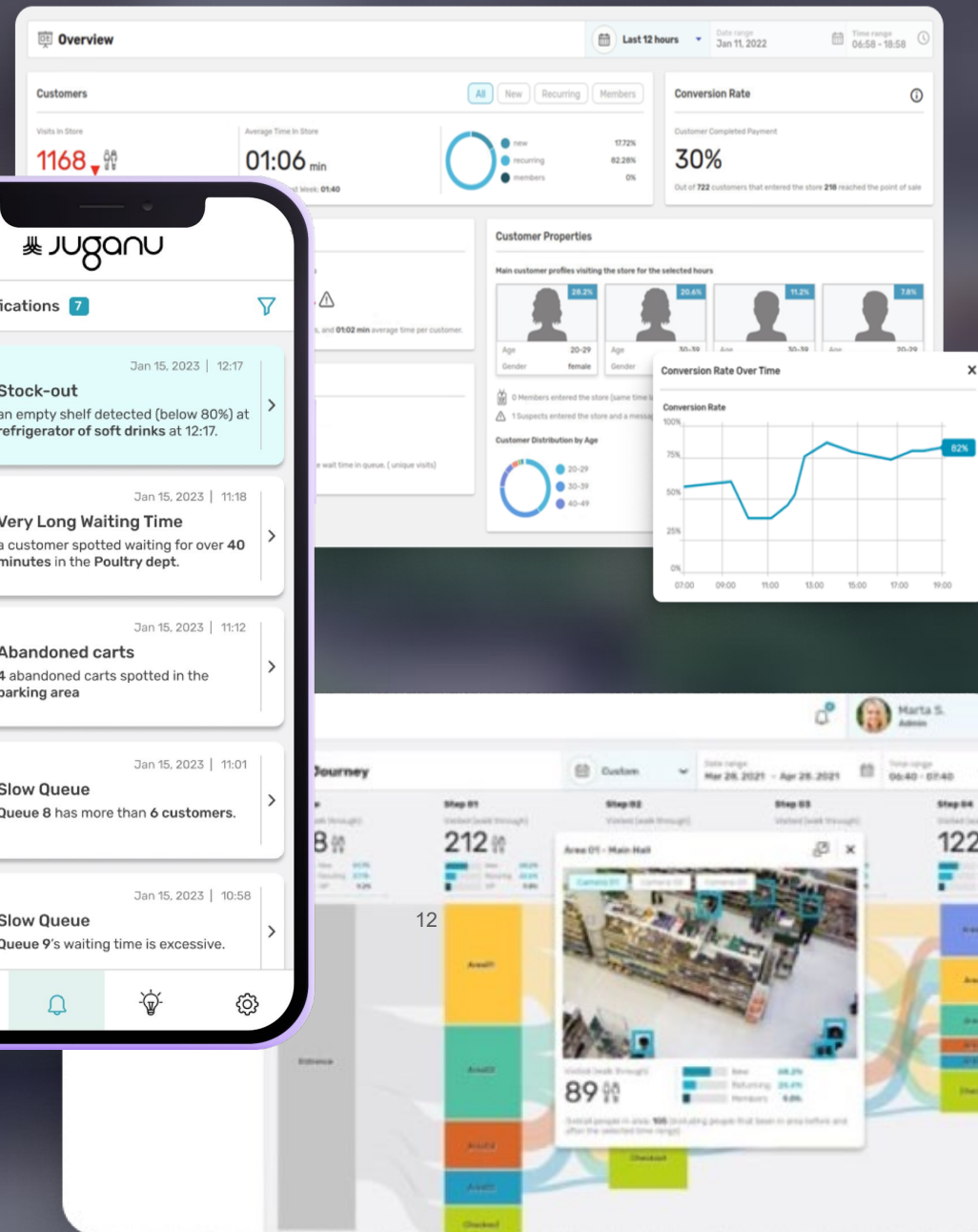
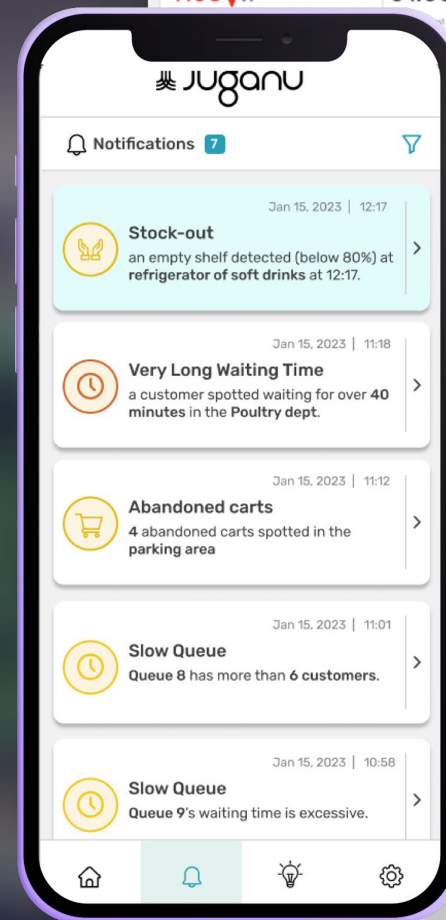


Multiview camera tracking





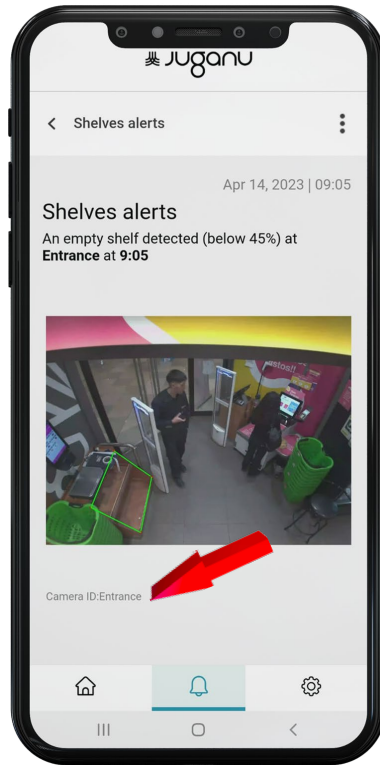
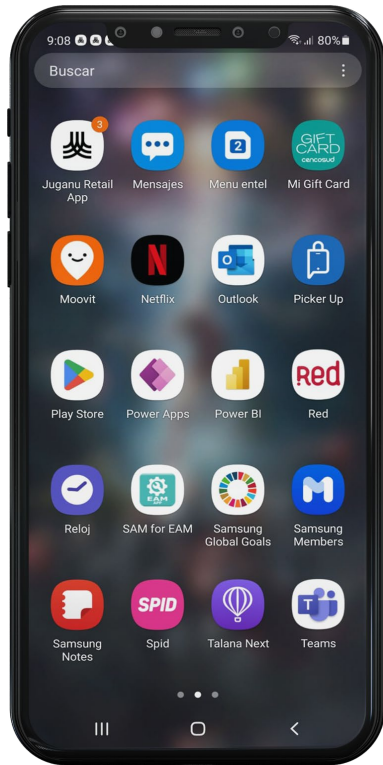
Case studies





Case Study

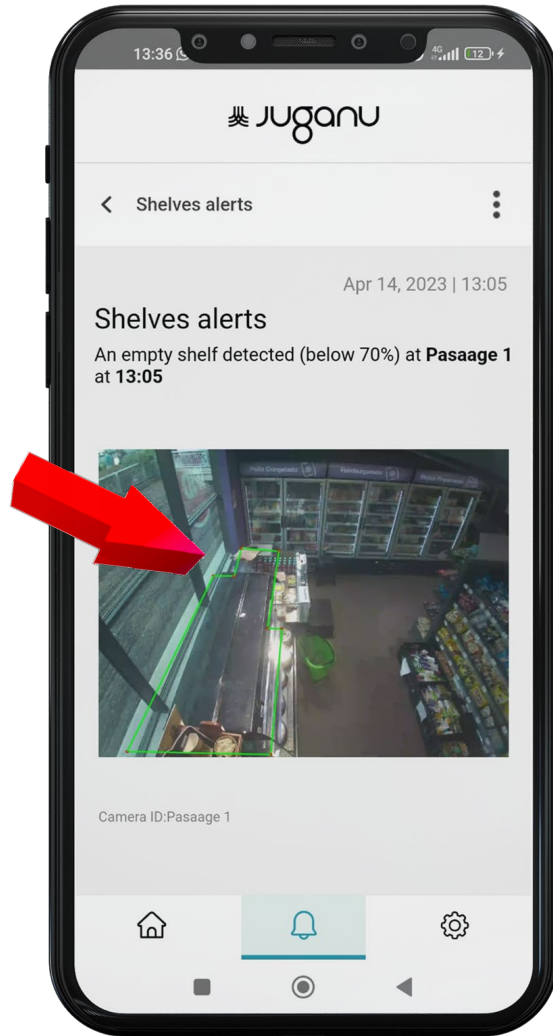
push notifications to mobile phones





Case Study

Shelves management Optimize replenishers productivity





Demographics Data

Optimize targeted promotions and planogram plan

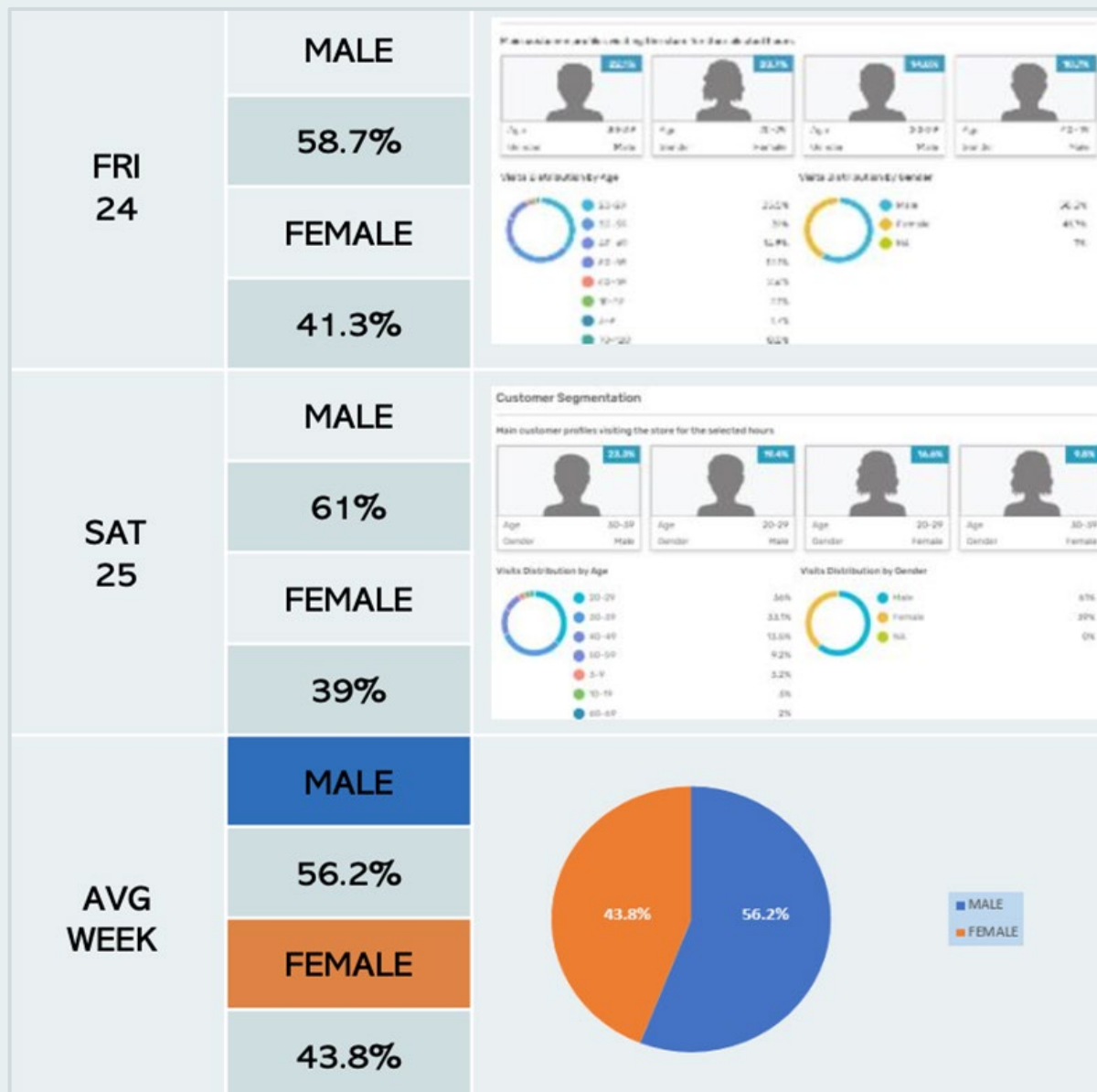
Avg Gender

Male: 57.7%

Female 42.3%

Top Age Groups

1. Male | 30-39 | 22.7%
2. Female | 20-29 | 17.7%
3. Male | 20-19 | 16.5%
4. Male | 40-49 | 10.2%

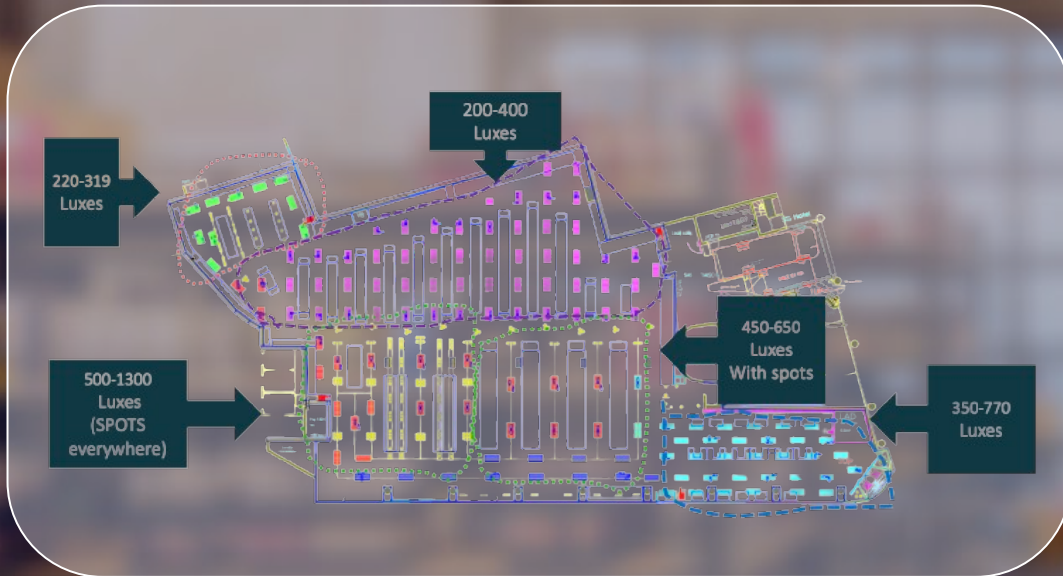




Case Study

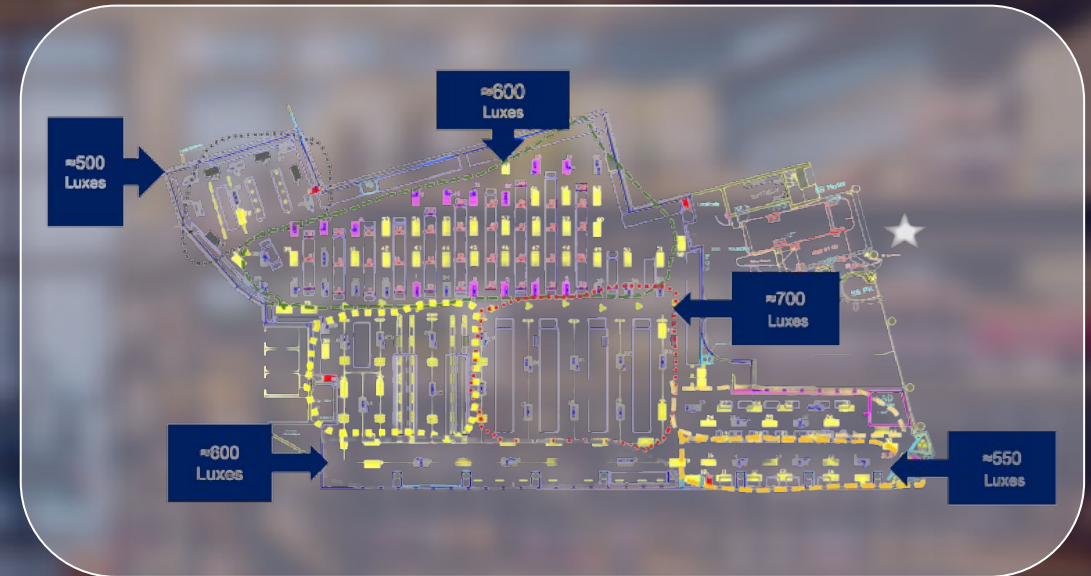
Lighting Management System Full Flexibility

Customized Lighting Levels for Every Zone – Enabling retailers to Optimize Illumination Effectively



Store Lighting Before:

The lighting quality in each area was different due to different fixture types. Without flexibility and effective management



Store Lighting After:

Uniform lighting, better quality. Automatically managed according to time and area in the store. Maximum quality. Maximum effectiveness



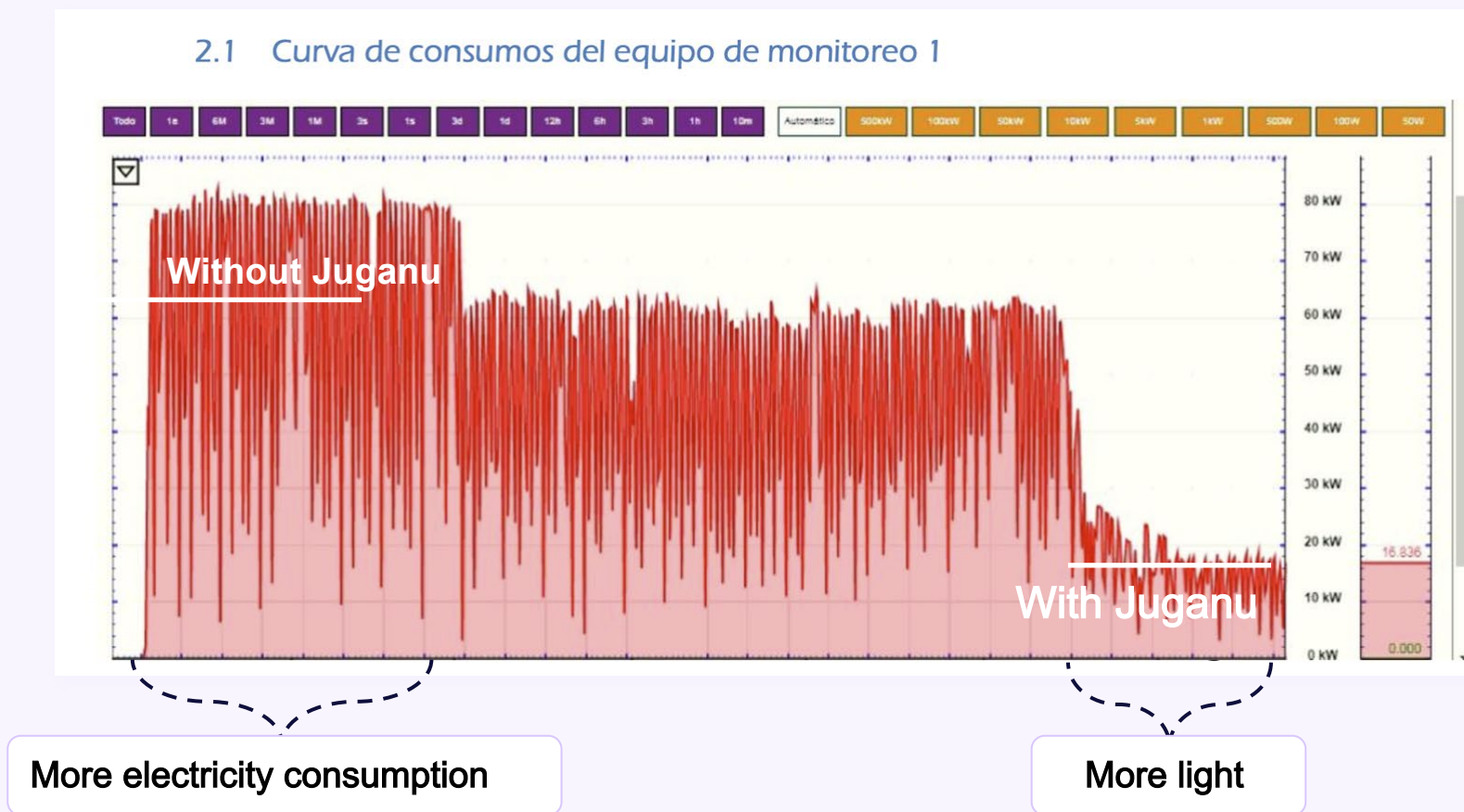
Lighting Management System

Savings:

77%

Save electricity consumption and monitoring in store level and chain level

ENERGY SAVING IN A BIG RETAIL STORE CITY replacing traditional light fixtures



Lighting Management System

Savings:

47%

Save electricity consumption and monitoring in store level and chain level

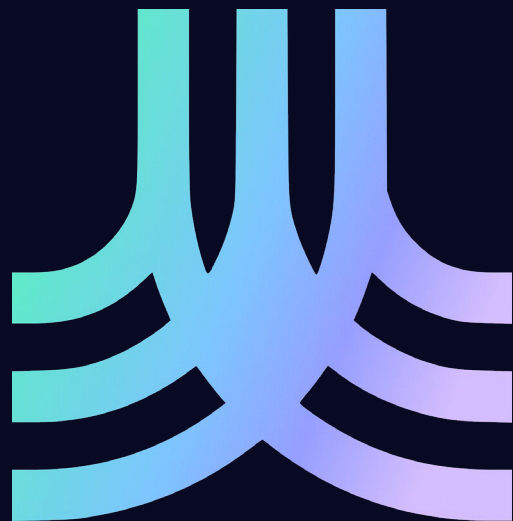
Over 25% higher light level (LUX)

ENERGY SAVING IN A RETAIL STORE replacing LED light fixtures

Zone	No. of fixtures	Power	Total power
Wine	11	34.8	383
Fruites	13	32.9	428
Other	10	52.2	522
Cashier 1	10	19.5	195
Cashier 2	21	23.1	485
Windows	12	30.6	367
Shelves	53	33.8	1791

Total power	4171
Total fixtures	130
Avg power	32.1

Old fixtures	60
Saving	47%



Thank You.