

# INTEL PTK1 THE SMARTEST BUILDING IN THE WORLD

Employee's Experience: Teamwork, Creativity & Inspiration

**PTK1 can accumulate Information, process it and use Artificial Intelligence to make decisions**

**14,000 sensors** monitor the lighting, temperature, occupancy, ventilation, conference rooms availability, parking

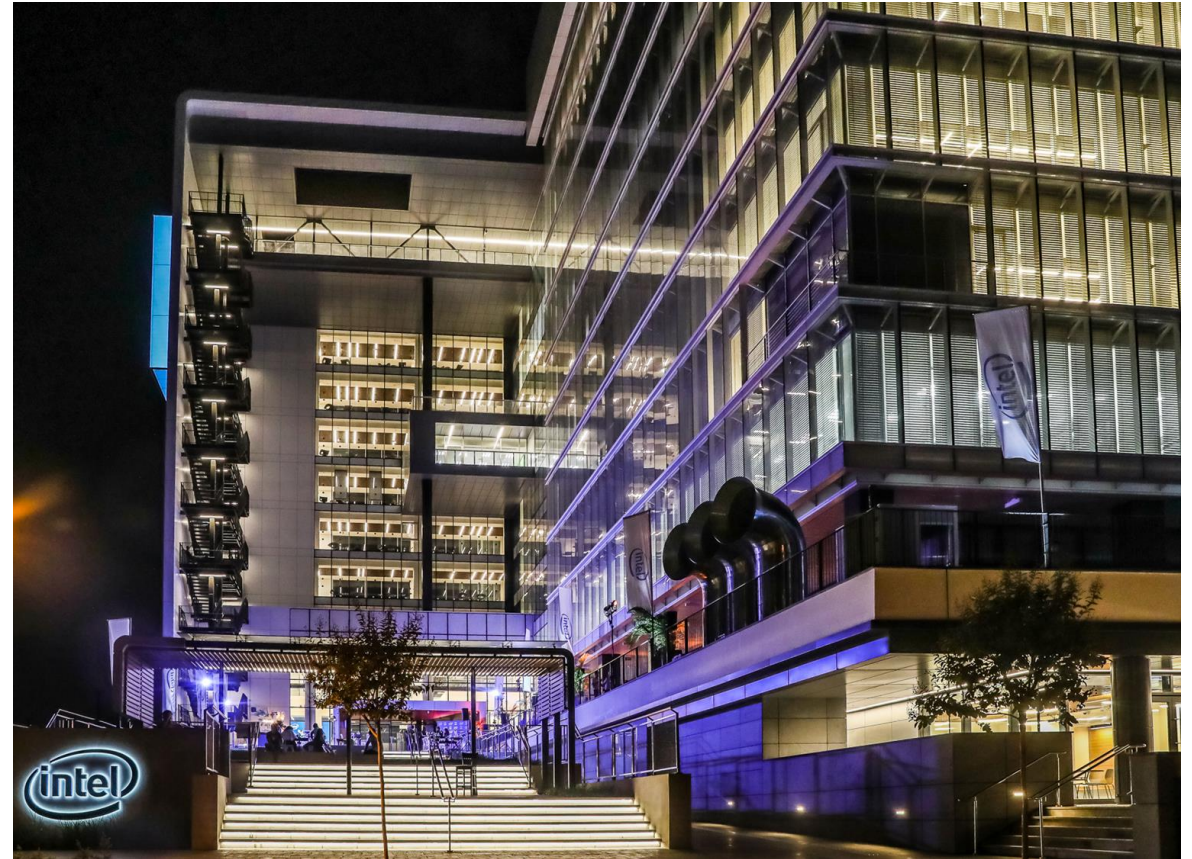
**50 – 100 terabytes of data** generated and analyzed daily by Intel-based BMS

## Facts & Figures

- Location: Petah Tikvah, Israel
- Size: 75,000 sq. m (800,000 sq. f)
- Budget: \$189M USD
- 11 stories
- Construction period: 36 months
  - 35,000 sq. m below ground
  - 40,000 sq. m above ground
  - 3,500 sq. m of laboratories
- 2000 employees with capacity for 2700 people
- 2700 ergonomic workstations
- 143 meeting room, video, collaboration and six training rooms
- 1200 parking spaces
- Three restaurants
- 50 3D cameras in the lobby
- 1,900 km of cables

## LEED Platinum:

- 40% higher energy efficiency than of a normal office building
- 75% less water consumption than an ordinary building
- 100% of the power is provided by renewable sources
- 95% of construction waste was moved to recycling





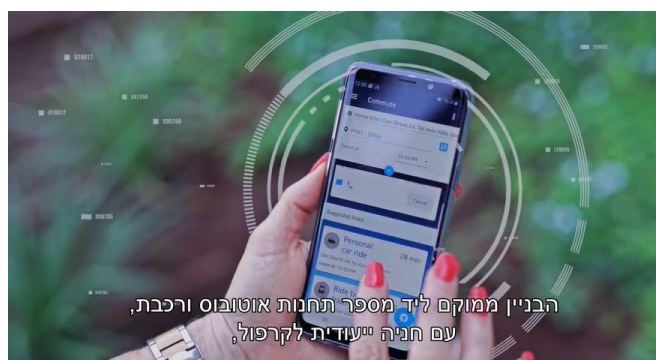
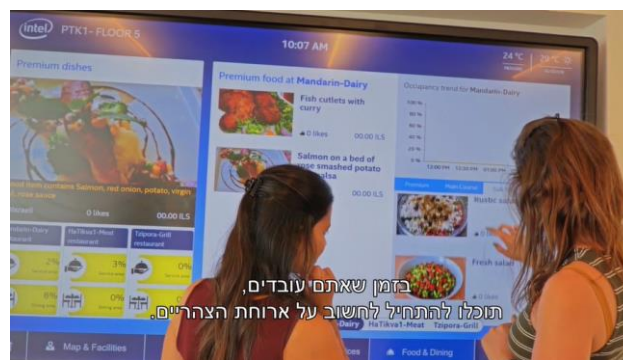




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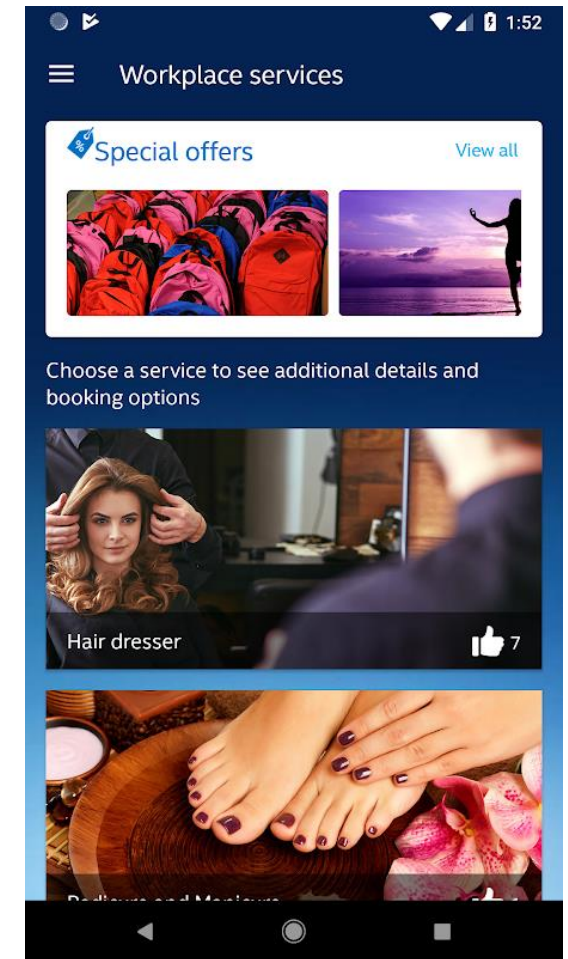
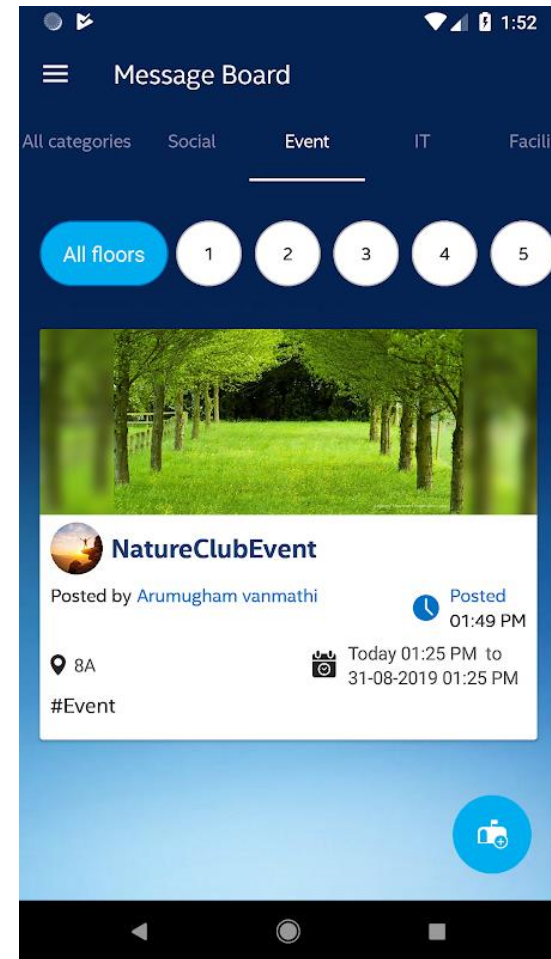
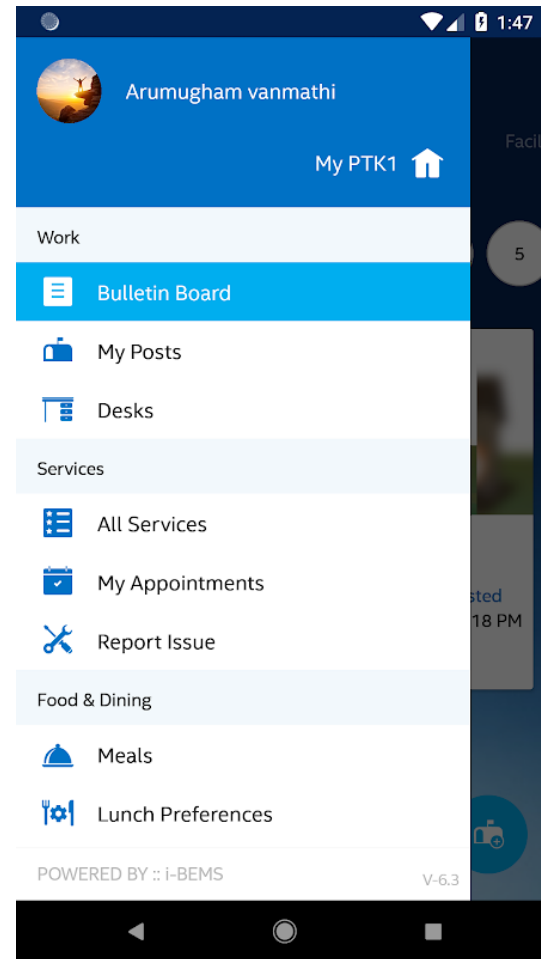
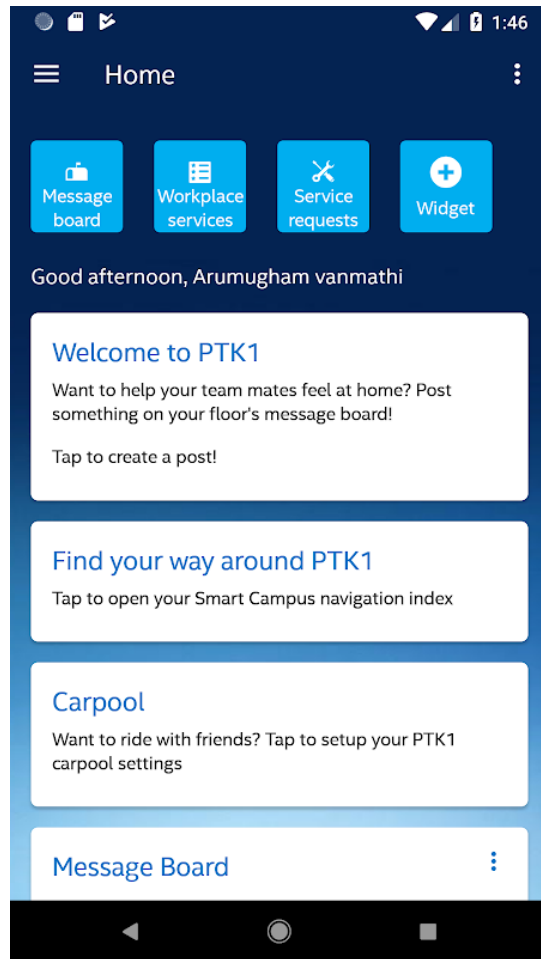
## Building's Smart Features

- The lighting and window shading automatically change according to the natural light throughout the day.
- Charging stations for electric scooters, bikes; carpool app for employees and shuttle services.
- Elevators in the building use smart algorithms to learn the travel patterns of elevator users to expect where they are likely to be at any given time, shortening waiting times.
- The parking lot includes 1,200 parking spots which are automatically monitored, following the occupancy and allowing employees to better plan their day with parking availability in mind.
- Sustainable shower that uses water efficiency technologies.



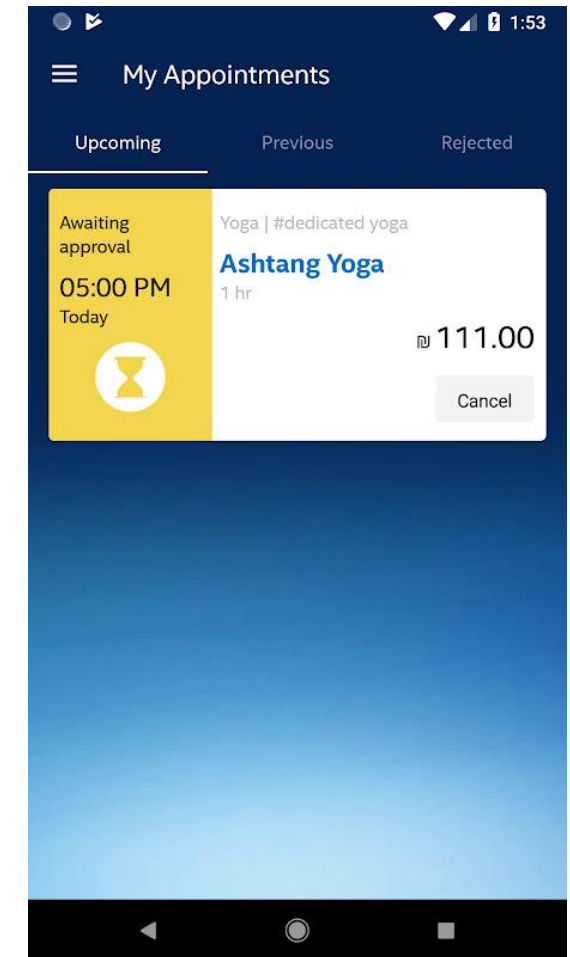
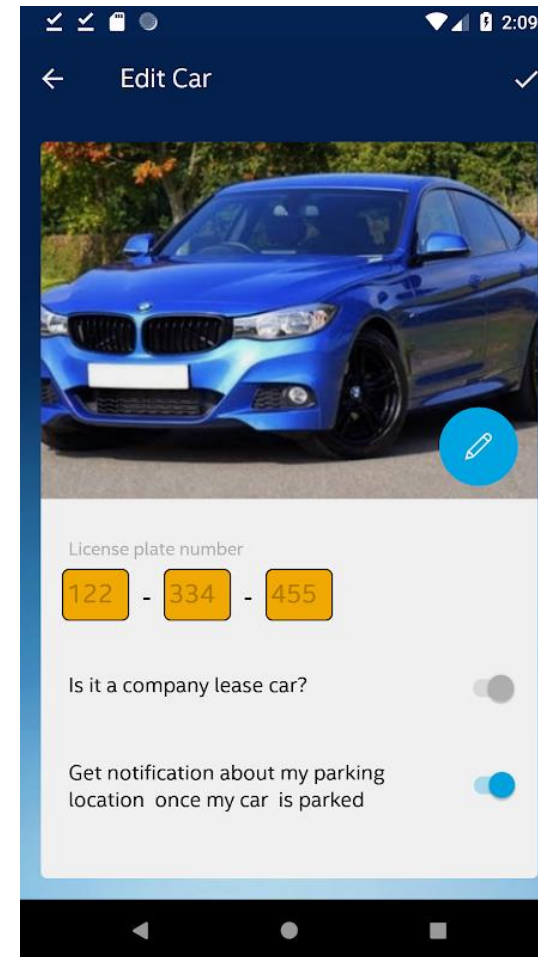
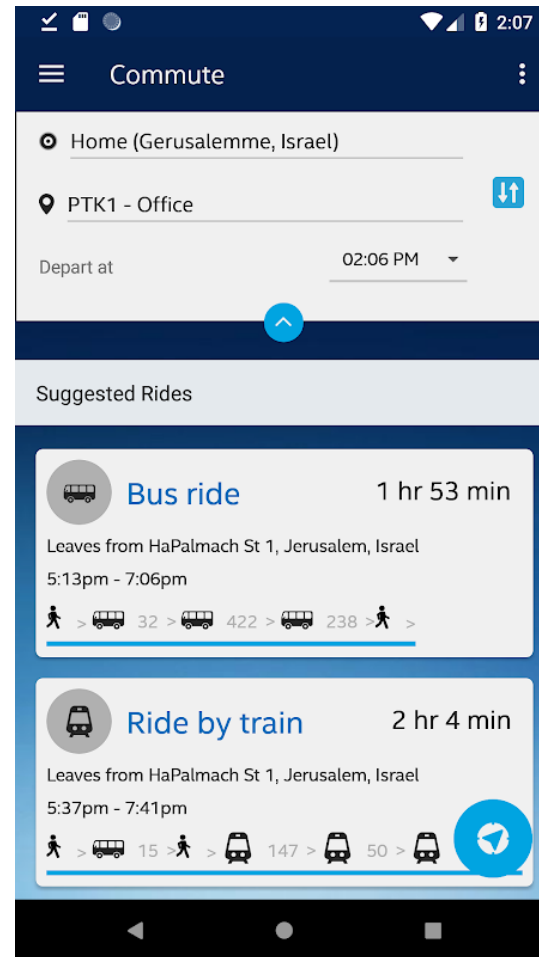
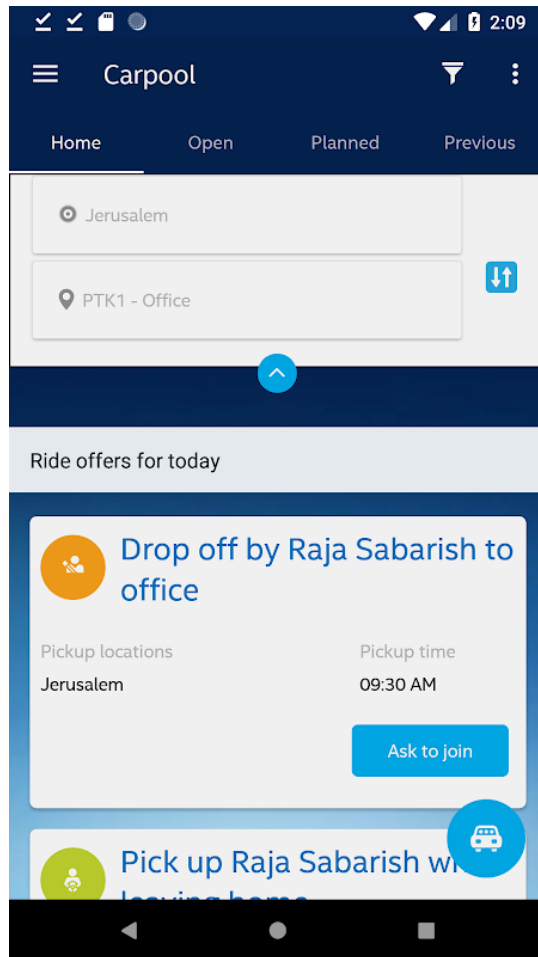
# INTEL SMART CAMPUS APK

Intel® Smart Campus application makes the workplace work for you.



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# INTEL SMART BUILDING PARTNERS & SOLUTIONS

Intel Partners Ecosystem



## 11% Lower Energy Use

Prescriptive Data Nantum\* lowered energy consumption in a 1.8 million square foot building in New York City by 11%.



## 25% Reduction in HVAC Maintenance

Nordstrom stores achieved a 25% reduction in their biggest maintenance budget item, HVAC repair, using Riptide Enterprise Portfolio Management\*.



## Tighter Facility Security

Taiwan Railways Administration deployed the Gorilla IVAR\* solution to monitor 300 public train stations, improving threat detection.



## Intel® IoT Market Ready Solution (Intel® IMRS)

Reduce the time to value of your project with proven smart building IoT solutions — pre-designed, scalable, and ready to deploy today.



## Intel® IoT RFP Ready Kits

Field-tested hardware, software, and support bundles that address common smart building IoT use cases, accelerating time to market and RFP timelines.



## Intel® Vision Products

Spot things you need to see — like unauthorized access and potential hazards — using computer vision to capture and analyze visual data.