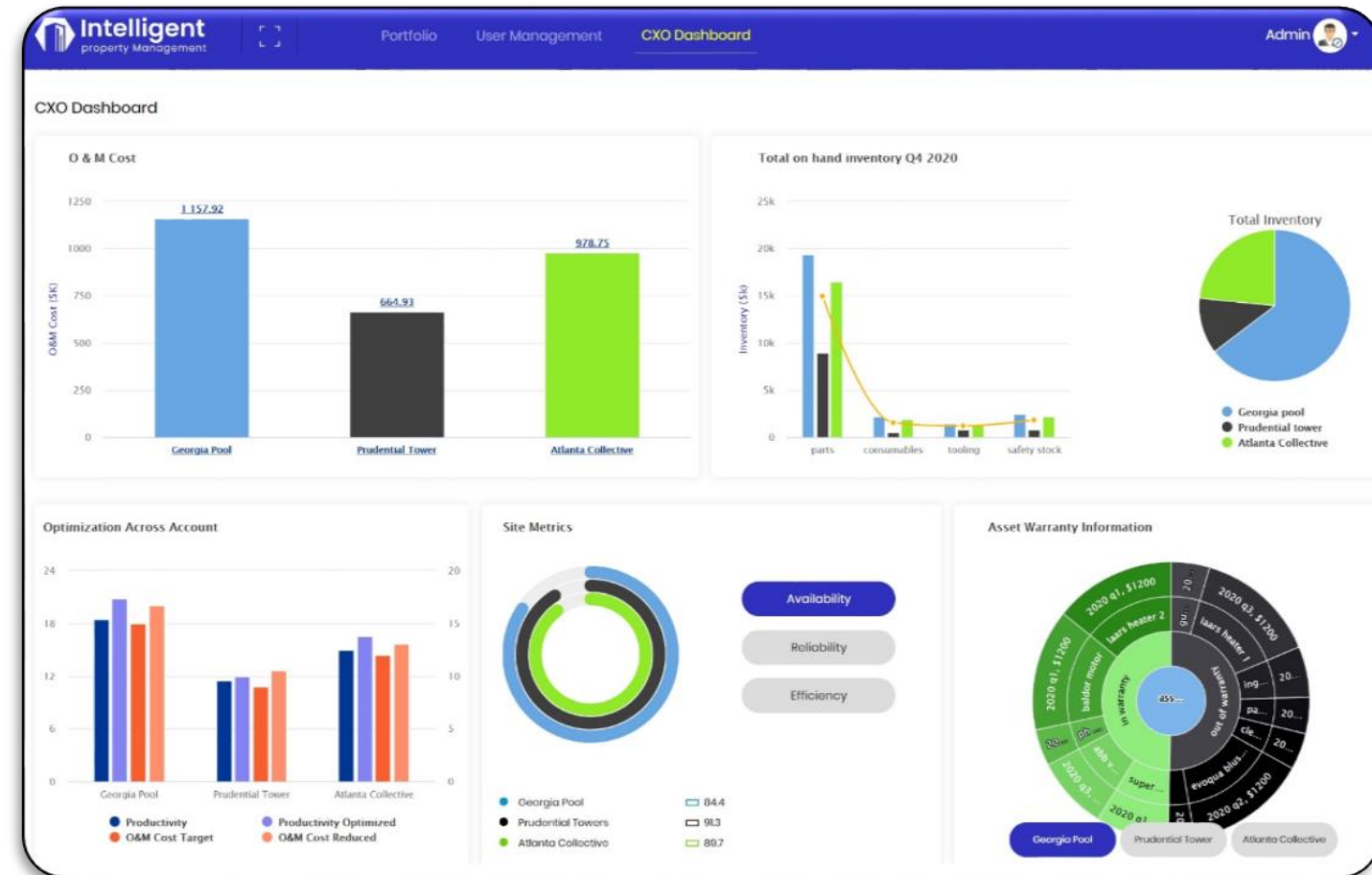


Industrial IOT

in Alliance with SPAE analytics



Industrial IOT overview



- Intelligent Asset Management – unique combination of engineering, software and IoT
- Data-driven insights with optimal blend of Artificial Intelligence, Machine Learning and Automation
- Cloud-hosted, vendor-agnostic solution with focus on safety, reliability, performance and scalability

TridenTech Engineering has entered into a alliance with SPAE analytics to provide asset life management solutions

Product Portfolio

Autonomous systems

Land based autonomous vehicles

in collaboration with UMA (Germany)

Applications

Delivery
(Indoor/Outdoor)

**Extreme
Environments**

Agriculture

Passive loitering

Shuttle Service

Defense

Surveillance

Healthcare

'Follow me' mule

Camera using AI &
Machine Learning

Products

Large Robot



- Strong frame
- Heavy duty motors
- High capacity batteries
- Payload : 120kg
- Range : 22kms

Medium Size Robot



- Durable
- Speed 0.7m/s
- 4hrs battery backup
- Payload : 22kg

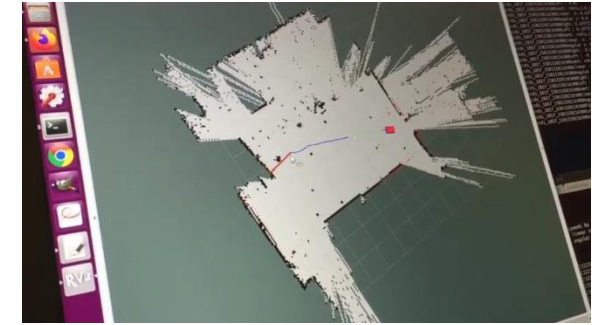
Small Robot



- Durable
- Speed 0.4m/s
- 4hrs battery backup
- Payload : 3kg

Robots at Work

Laser based autonomous navigation



Outdoor navigation



Indoor service



Shopping



Small Delivery Robot



Technology demonstration of the autonomous vehicle



Robot in rugged terrain: Video demonstration of running robot in a rugged, unpaved terrain with grass, stones. Robot performed navigation very well. The robot has capability to carry heavy weights for 8+ hours.

Video demonstrations:

<https://www.youtube.com/watch?v=36ezNiXAX3s>



Testing outdoor in-campus navigation: Robot navigating completely autonomously in a outdoor industrial environment while doing obstacle avoidance by itself.

Video Demonstration

<https://www.youtube.com/watch?v=9fnl2DdJk6Y>



Small robot: Small robot demonstrating autonomous navigation in a cluttered and complex scenario. The obstacles are kept very close to each other and the robot with custom built algorithms managed to navigate easily through the environment.

Video demonstration: <https://www.youtube.com/watch?v=7lXrJcE9PQ8>



Person following: This demonstrations shows robot can follow a person without expensive sensors and computation units. The robot can carry heavy weights and then follow the robot in front of them or person in front of them.

Video Demonstration:

<https://www.youtube.com/watch?v=amJwawHPmTs>

Reach out to us



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