



PROXIGROUP

Virtual-to-Real World Intelligence

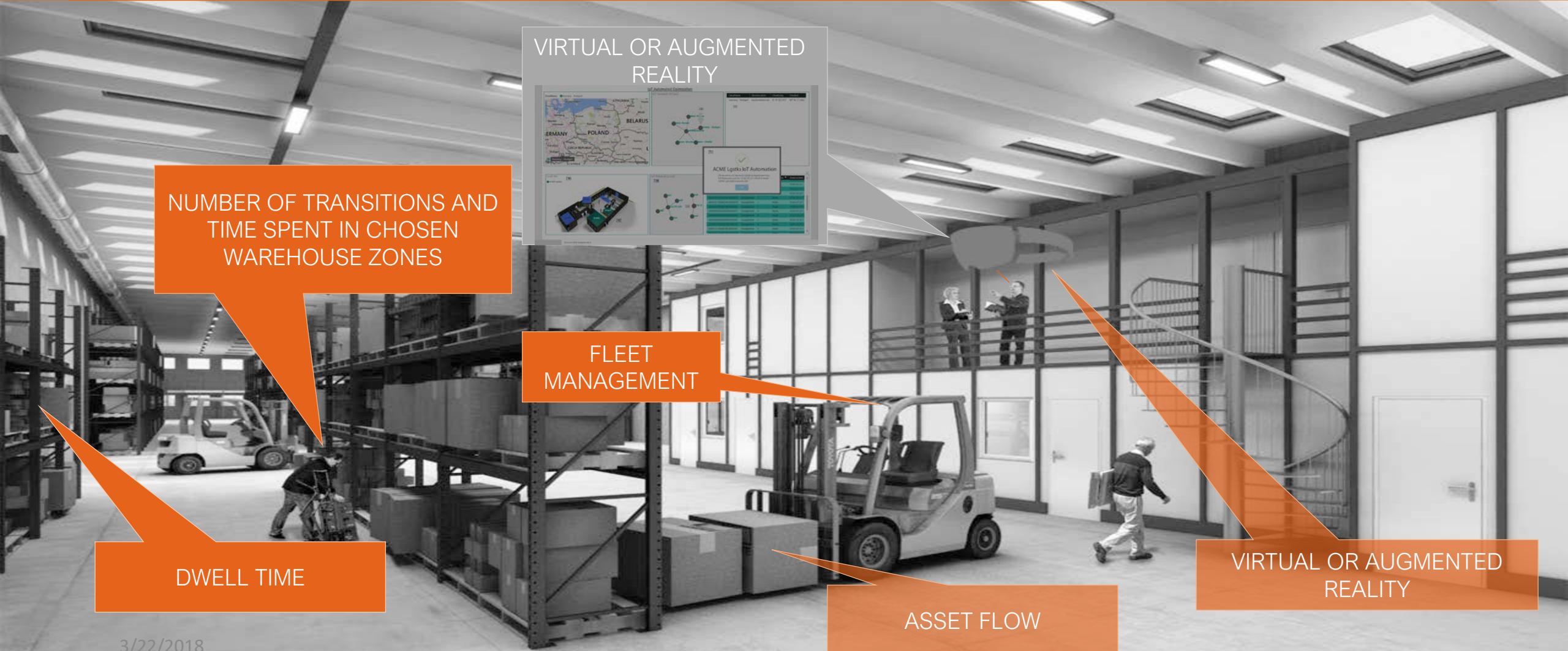
Asset tracking intelligence pilot offer

The offer is valid until 15 August 2019


Your warehouse through virtual or real "eyes" of ProxiTrak



SENSOR ANALYSIS – FULL ASSET MANAGEMENT THROUGH THE WAREHOUSE



VIRTUAL OR AUGMENTED REALITY



NUMBER OF TRANSITIONS AND TIME SPENT IN CHOSEN WAREHOUSE ZONES

FLEET MANAGEMENT

DWELL TIME

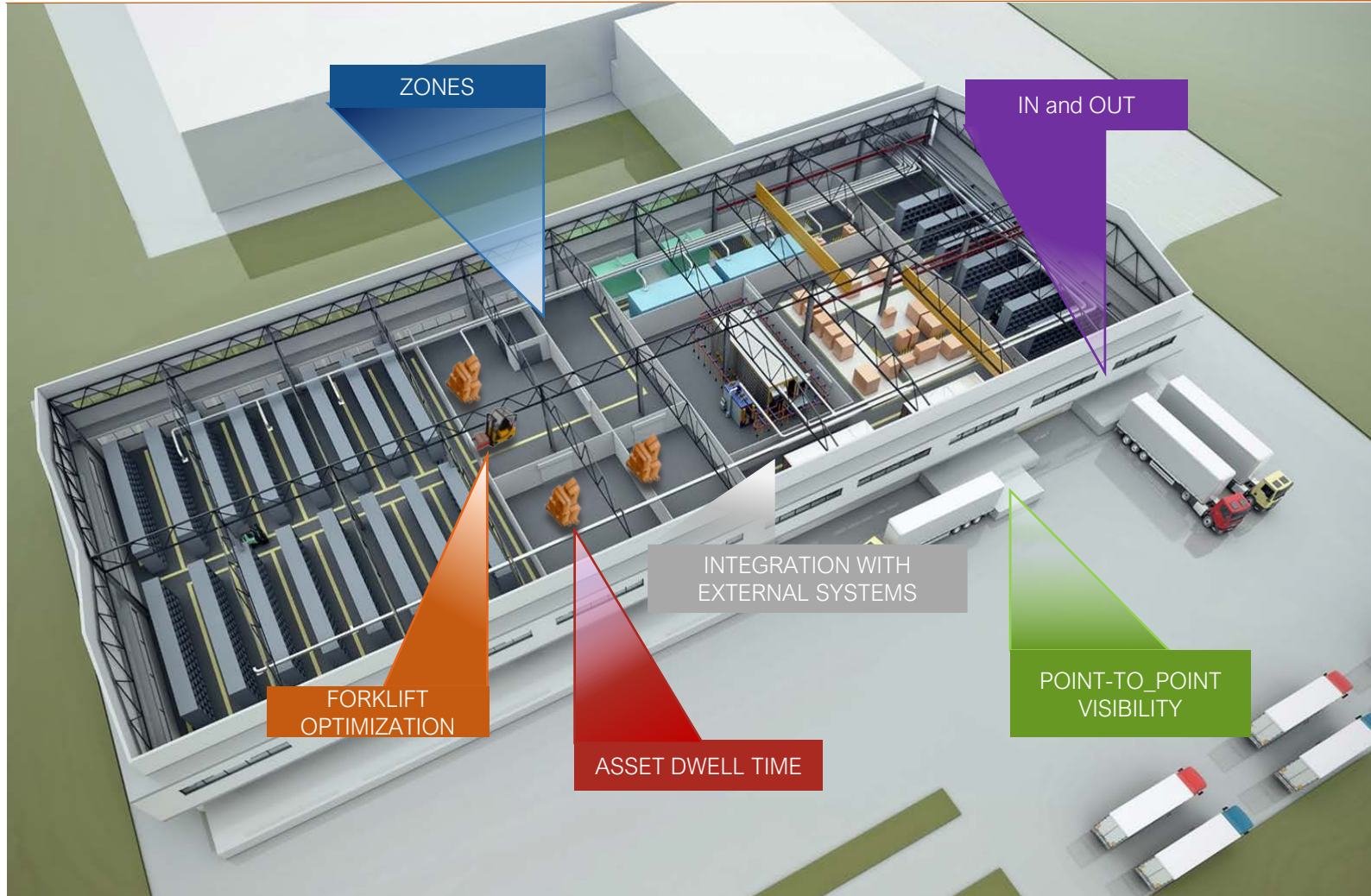
ASSET FLOW

VIRTUAL OR AUGMENTED REALITY

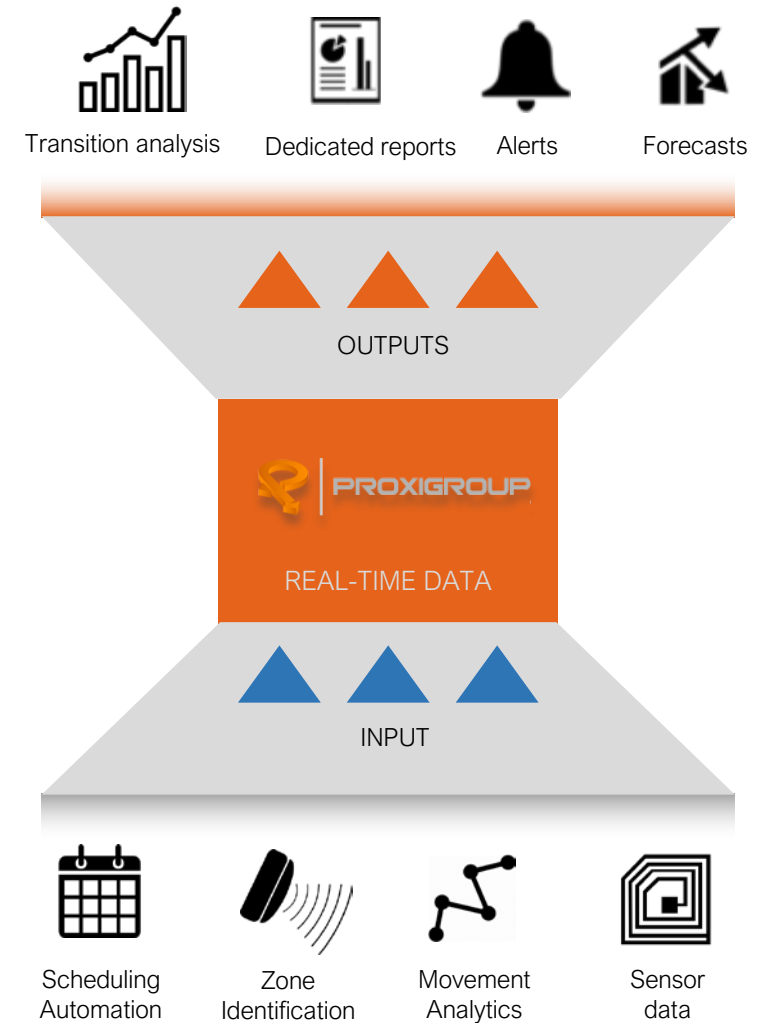
Technology

ProxiTrak- logical view of the warehouse

LOGICAL WAREHOUSE



MULTISENSOR PLATFORM



Our technology builds
your virtual infrastructure ...



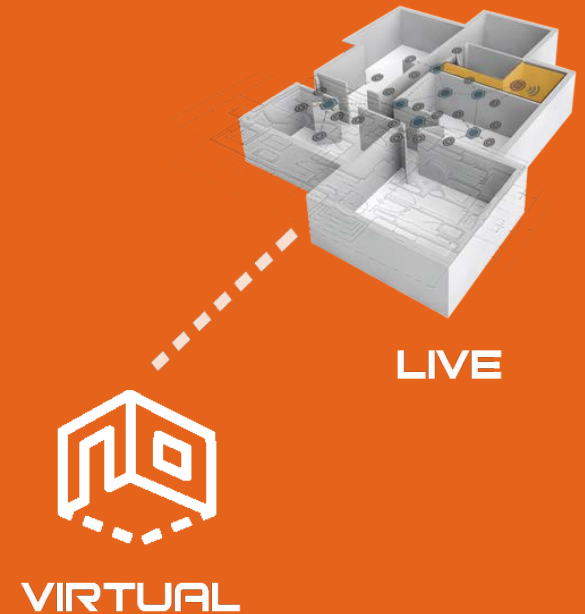
..from your existing floorplan

..optimizes it...



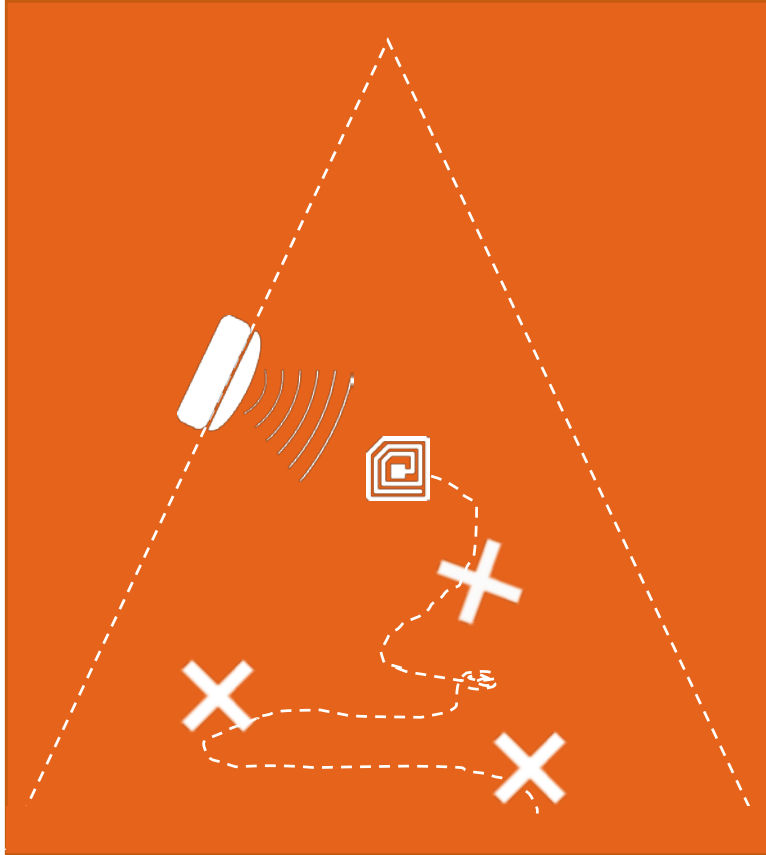
....to maximize coverage

...and synchronizes it with your
real-world infrastructure



...deployment in days not weeks

Our technology processes sensor data ...



..from asset observation and surveillance



...and convert this info into metrics and real time alerts

ID	Tag Name	Tag Active	Tag Count	Asset Details	Count	Tag Address	Tag Count	Tag Comment
10000000000000000001	Unregistered	2017-05-13 12:26:52	12	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
000000000000000000001C	Unregistered	2017-05-13 12:47:55	7	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
000000000000000000005A	Unregistered	2017-05-13 12:46:52	20	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
0000000000000000000056	Unregistered	2017-05-13 12:47:55	6	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
0000000000000000000058	Unregistered	2017-05-13 12:58:57	13	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
307426776265314691883762	Unregistered	2017-05-13 17:16:21	26	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
307426776265314691883762	Unregistered	2017-05-13 17:48:49	27	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
307426776265314691883762	Unregistered	2017-05-13 18:47:51	22	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
307426776265314691883762	Unregistered	2017-05-13 18:17:51	23	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
307426776265314691883762	Unregistered	2017-05-13 14:45:09	25	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
307426776265314691883762	Unregistered	2017-05-13 17:46:32	29	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211
307426776265314691883762	Unregistered	2017-05-13 18:18:48	28	4024x8-3758-46-12-8071-29846ba79c	un6257-4230-41-wa-wda-29a5649a56	0	10:52	101-211



VIRTUAL TO LIVE
CAD INTERACTIVE
TRACKING



IN AND OUT
SHIPPING &
RECEIVABLES



ZONE MOVEMENT
OPTIMIZATION &
ANALYSIS



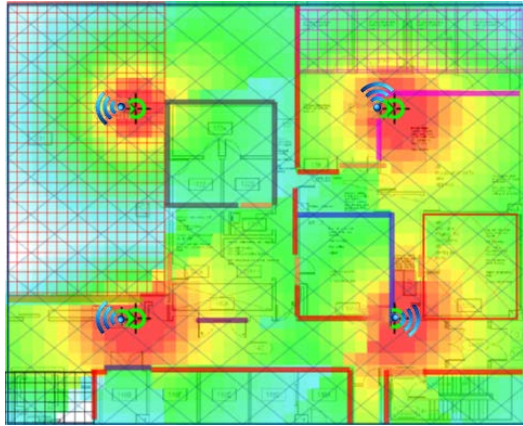
REAL-TIME ZONE
INVENTORY
SCHEDULING



GLOBAL DATA
FROM 1
LOCATION

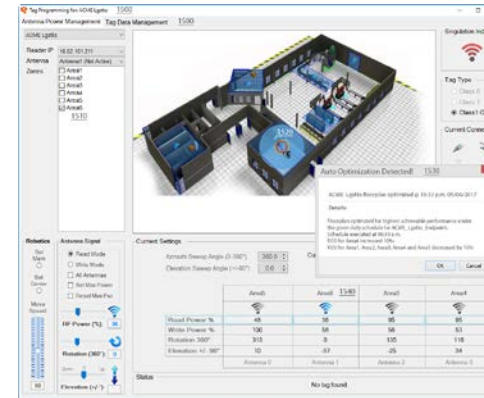
The problem and how we unlock value

CURRENT METHODS



- Costly and timely site surveys that require multiple personnel
- RF coverage, data rates, signal obstruction and antenna RSSI analysis is time consuming and costly process
- Not true real-time data; long lead time from analysis to decision
- Inability to perform scheduled real-time inventories
- Inability to negotiate infrastructure changes quickly
- Inability to aggregate and display global co-located data from a single location

PROXITRAK SOLUTION

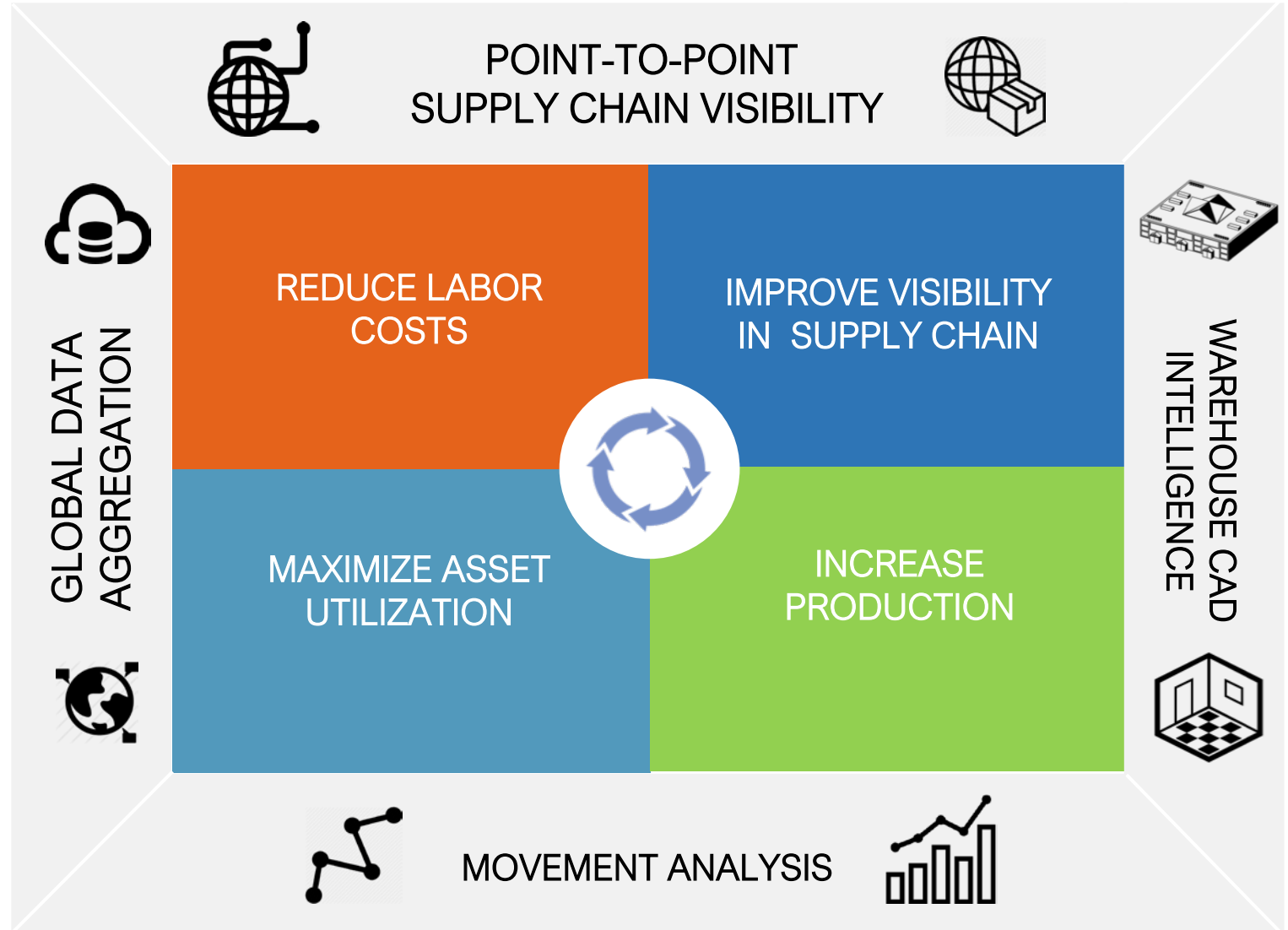


- ✓ Site surveys, installation, deployment, integration and metric verification in terms of hours and days not weeks and months
- ✓ RF coverage, data rates, signal obstruction, antenna RSSI analysis is automated and provided by the software
- ✓ True Real time data; provides more accurate and quick decision making
- ✓ Automatic alerts notify you off specific events that occur in your tracking process
- ✓ Promotes cost effective processes
- ✓ Combine all global RFID/IoT data under one location - ProxiCloud umbrella

Benefiting Business Functions:

- Competition
- Consumer Demand
- Inventory accuracy/reduced time
- Reliable Track and Trace
- Improve business processes

OPTIMIZE YOUR SUPPLY CHAIN
MANAGEMENT --GET
MORE DONE IN LESS TIME AND WITH
FEWER RESOURCES BY...





ASSET FLOW OUTSIDE YOUR WAREHOUSE

1. ASSESS THE VISIBILITY OF ASSETS DEPARTING AND ARRIVING TO YOUR LOCATION:

- cost of manual labor vs automation
- cost of legacy to modern conversion (barcode to RFID/IoT sensors)



ASSET FLOW INTO YOUR WAREHOUSE

1. ASSESS YOUR ASSET TRACKING PERFORMANCE DEPENDING ON:

- Paradigms and processes (cost of manually vs automatic scanning)
- Signal/Carrier Obstacles (effect of obstructions in scanning areas)
- Carrier Types (effect of material types of tag containers)
- Persistence of Assets (asset dwell time in scanning zones)
- Other changes (infrastructure, remodeling, etc.) and their effect on scanning and interrogation
- External factors such as weather, events, others...

2. ACCESS THE ACCURACY OF LABELED ASSET DATA IN YOUR WAREHOUSE:

- Barcode UPC vs RFID EPC
- Direction of movement
- Programming Tags (cost of manually vs automatic assignment of data)

AND ONCE YOU HAVE THE ASSET IN THE WAREHOUSE...



TRAFFIC FLOW INSIDE YOUR
WAREHOUSE

- 1. ASSET MOVEMENT AND DWELL TIMES IN RESPECTIVE AREAS OF YOUR WAREHOUSE TO HELP YOU ASSESS THE EFFECTIVENESS OF:**
 - Your product exposition on driving customer flow through the areas of interest/ highest margin/ largest volume etc.
 - Site-to-site communication initiatives to identify areas of interest/ highest margin/ largest volume per site
 - IoT/RFID layout and how this drives process behavior within the warehouse
- 2. AVAILABILITY OF FORKLIFTS IN CRITICAL WAREHOUSE AREAS (SHIPPING, RECEIVABLES, STORAGE AND MANUFACTURING) VS ASSET FLOW AND ASSESS THE:**
 - Availability of forklifts vs asset presence trends to help you better meet your supply chain needs
 - Time of service of forklift operations in service areas to better help you assess the utilization of resources
 - Shortest time vs shortest distance of forklift routes to help you assess supply chain trends
 - Real time information provided for forklifts/assets in storage or service areas to provide better planning on warehouse events
 - In and out service times of forklifts/assets to help drive initiatives to improve the service times (comparing to # of SKU's, average forklift routes and servicing times)
 - Assess the performance of your newly hired employees (speed of learning curve) to be able to more quickly detect new hires that are not performing to an appropriate level and may require additional training or potential replacement



BENCHMARKING

- Perform A vs B testing to assess the effect of RFID/IoT layout, asset transition analysis, co-located site data aggregation, and warehouse layout changes prior to incurring expensive roll out initiatives within your entire network
- Assess the quality of your warehouse vehicles, management, staff based on warehouse metrics (movement rates and average cargo/package/pallet quantity)
- Optimize your IoT infrastructure layout and warehouse communication (to increase supply chain schedule efficiency)
- Optimize your staffing levels to meet trends in asset/forklift behavior (depending on highest traffic zones)
- Understand your rate of loss or missing assets and average missing rate on a per asset basis based on forklift movement to particular zones in the warehouse



ASSET AND FORRLIFT OPTIMIZATION

- Based on historical asset/forklifts flow and movement trends you will be able to better plan your supply chain needs on an individual schedule or event level



CONTINUOUS INFRASTRUCTURE OPTIMIZATION

- Alleviate redeployment, installation and integration technological complexities by easily and negotiating changes of warehouse designs and site modifications.



GLOBAL, REGIONAL AND LOCAL DATA AGGREGATION

- Easily expand the scope of multiple geographical warehouses and manage larger data sets; realizing faster time to value.
- Real-time IoT global aggregation ensures higher quality data from multiple locations simultaneously; allows focus on business-critical data elements
- Unified platform streamline the complexity of matching, cleaning and preparing IoT data – including globally co-located big data – for business intelligence (BI).

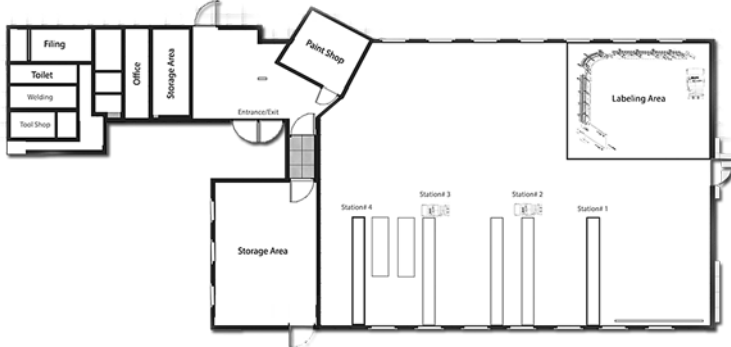


IMPROVE THE ASSET-FORKLIFT JOURNEY EXPERIENCE

- Limit the cost incurred on inappropriate IoT RFID layout decisions
- Trust insights on assets locations at specific locations
- Assurance of all routes an asset has traveled
- Conveniently monitor and record the exact route an asset traveled from one location to another

How does it install and deploy? (1/2)

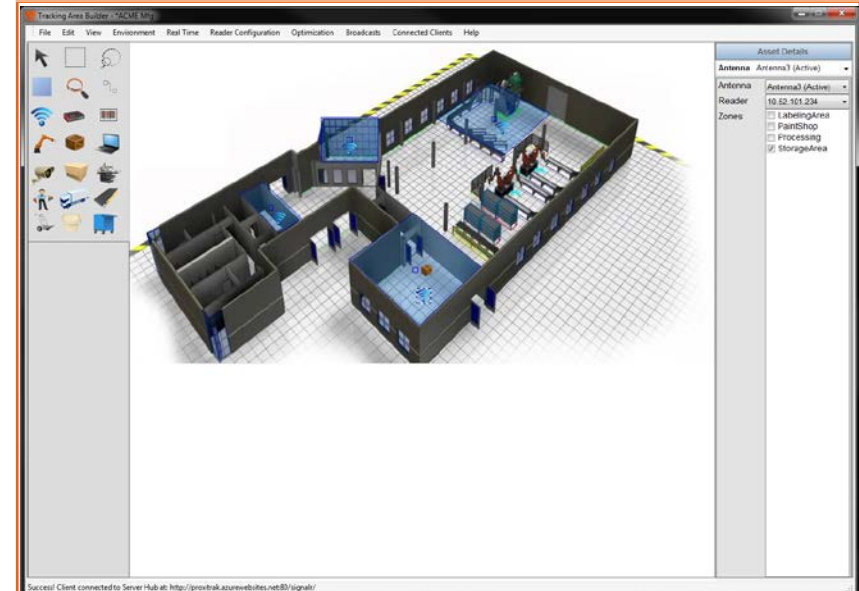
1. Proxigroup simply takes your building blueprint, floorplan or design and...



2. Installs all necessary hardware for your solution then...



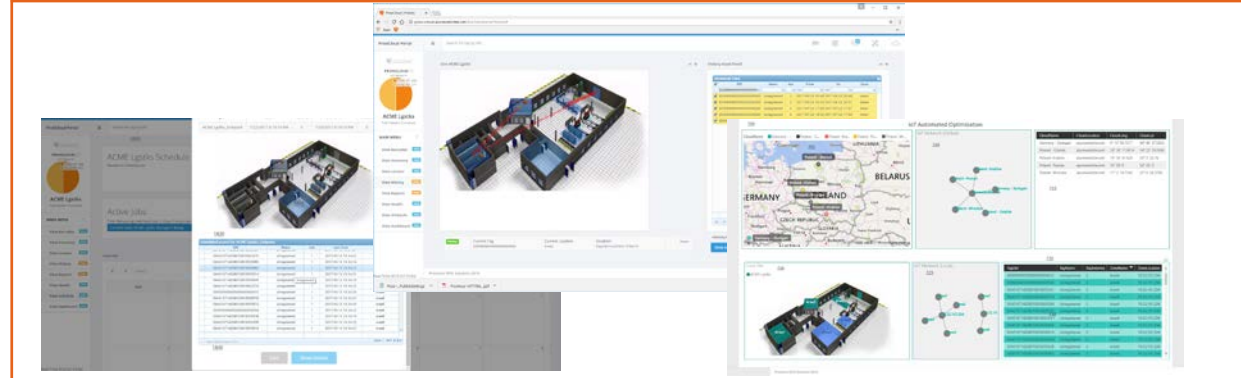
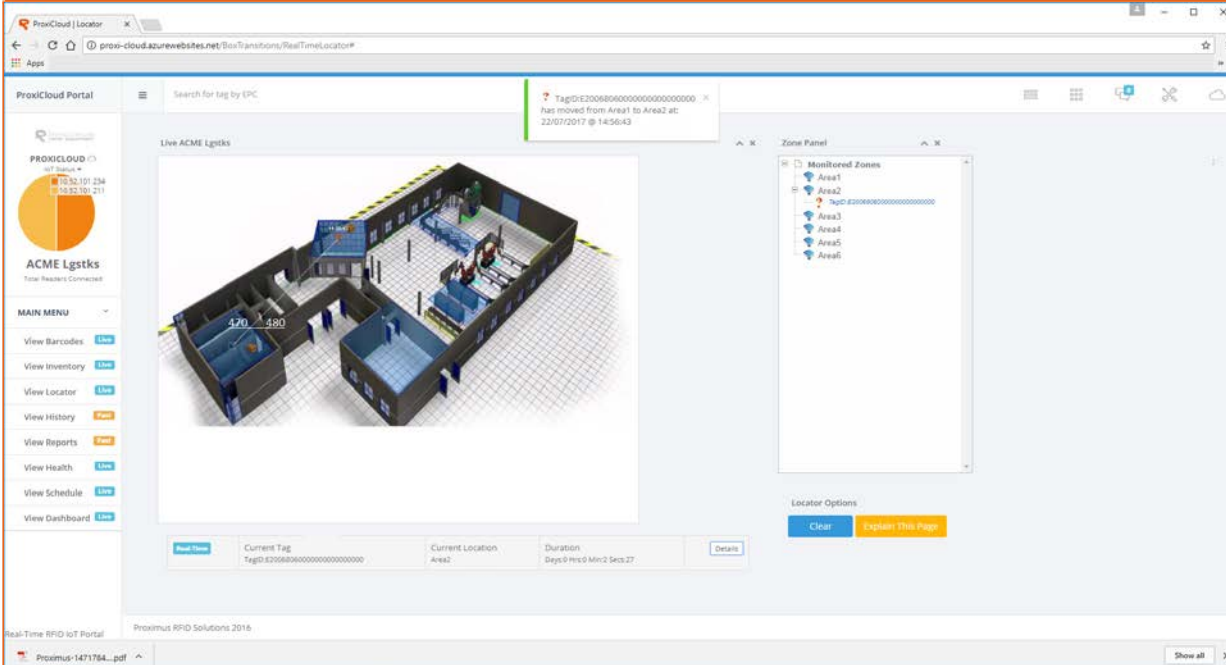
3. Build's your virtual 2D or 3D IoT or RFID infrastructure and synchronizes it with your real-world physical infrastructure (hardware), renders it "live" then...




How it works?

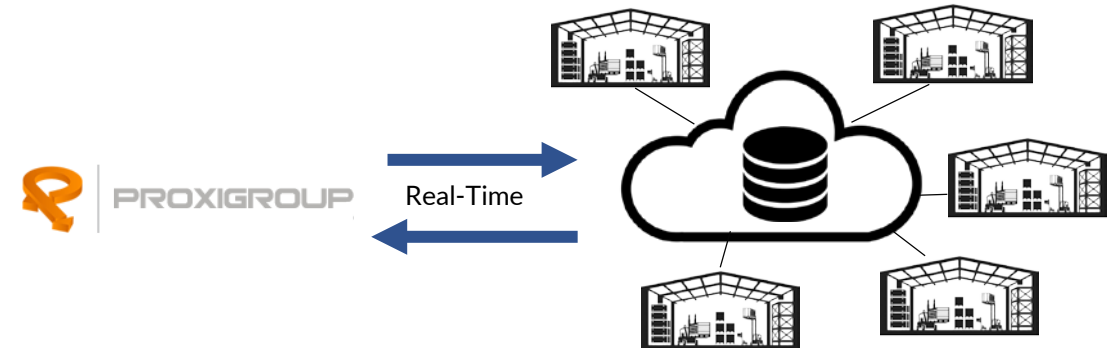
Full path of the individual assets through the warehouse from the moment of entry to exit with specification of all of the areas, touchpoints and time spent in each. zone

Information is presented “live” in a graphical format on our cloud portal analytical panel

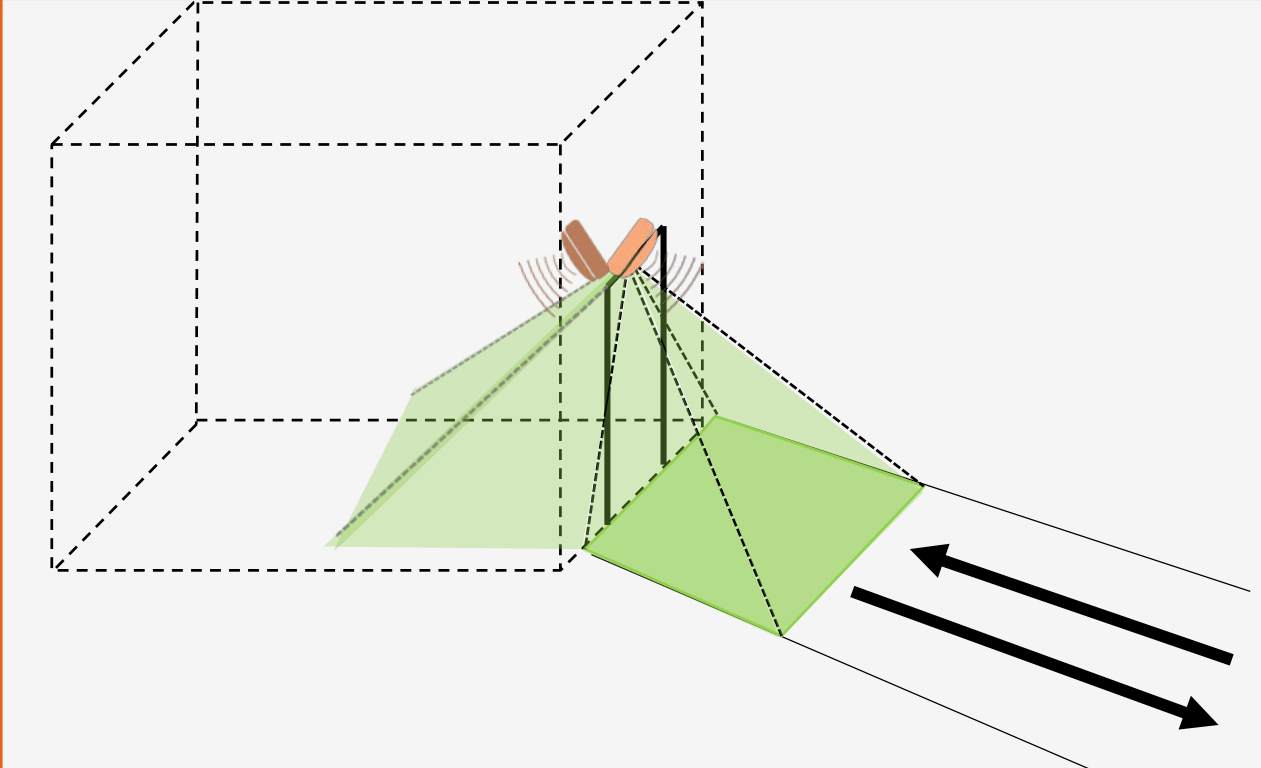


...and can provide BI analytics from multiple sites globally

 The distribution and size of the areas to be analyzed is flexible and possibility exists to rerun the full path of the individual after modification of areas boundaries in the future.



ProxiTrak has the ability to analyze asset movement traffic in and out of any zone. The area which can be covered depends on the placement and scope of view of the antenna.

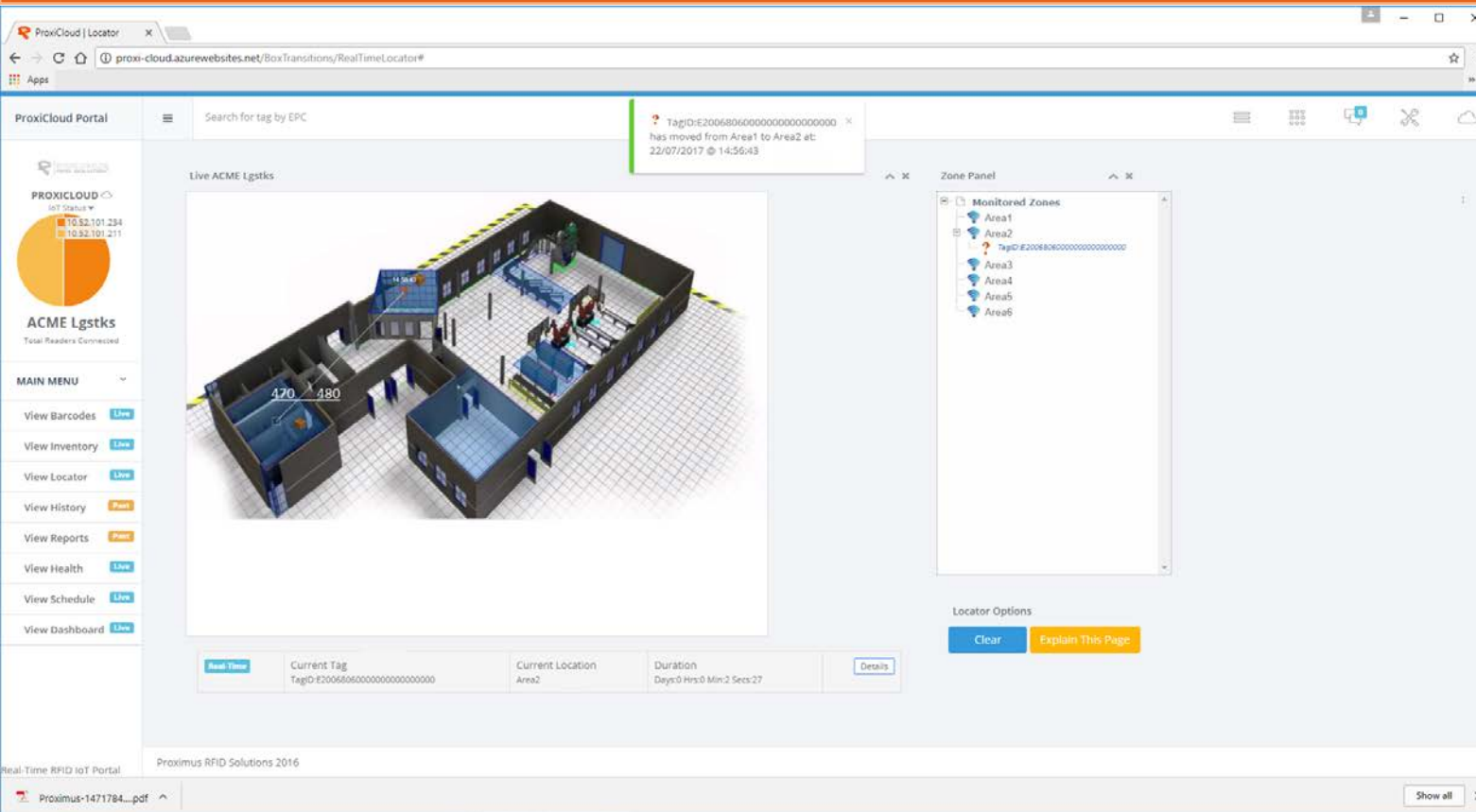


Here's a look at a typical in and out installation of antennas that monitor paths inside and outside of zones warehouse



Pilot approach

Real-time Individual traffic



ProxiCloud Portal

Search for tag by EPC

TagID:E20068060000000000000000000000000 has moved from Area1 to Area2 at: 22/07/2017 @ 14:56:43

Live ACME Lgstks

Zone Panel

Monitored Zones

- Area1
- Area2
- TagID #E20068060000000000000000000000000
- Area3
- Area4
- Area5
- Area6

Locator Options

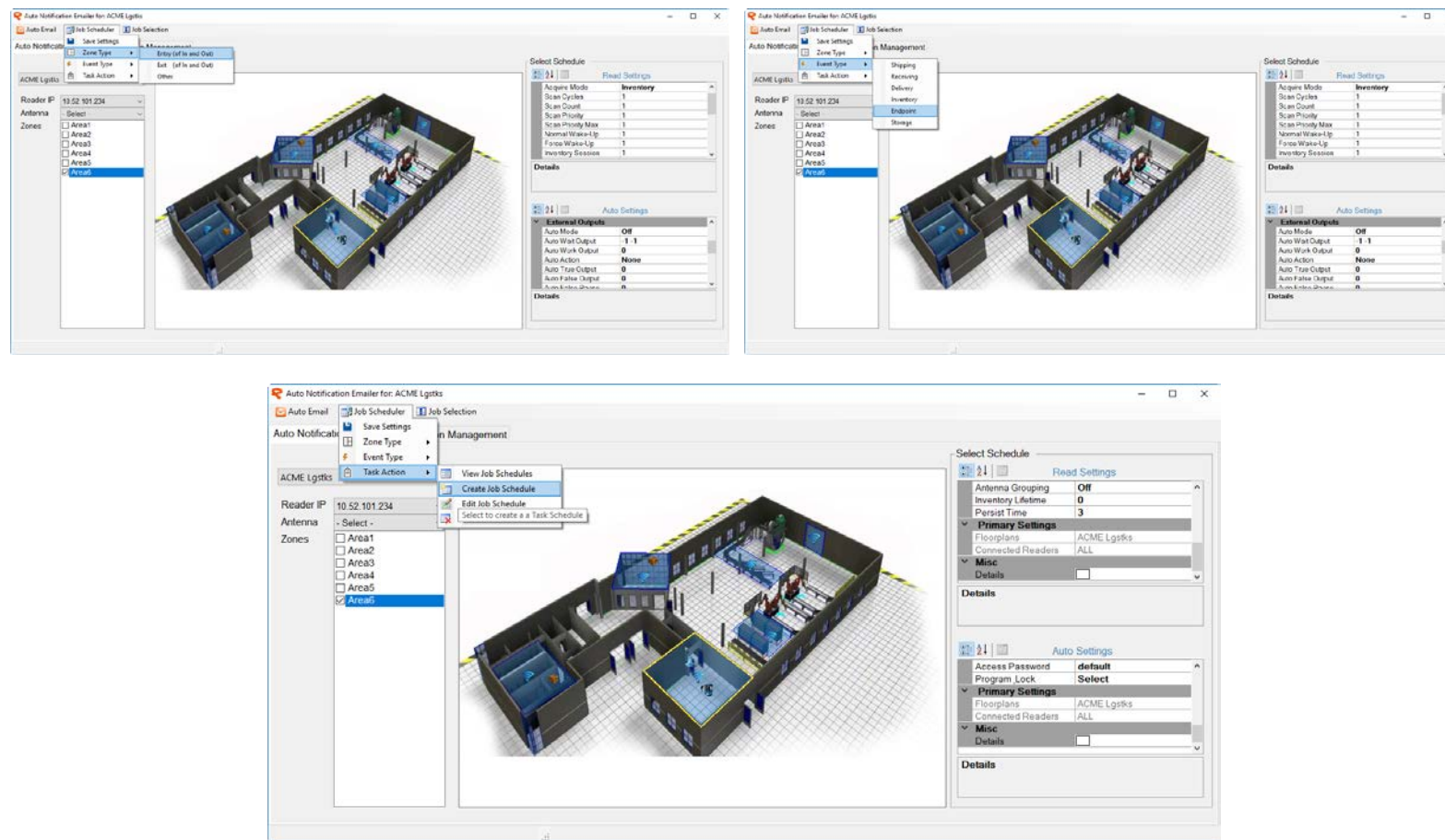
Clear Explain This Page

Read Time	Current Tag	Current Location	Duration	Details
	TagID:E20068060000000000000000000000000	Area2	Days:0 Hrs:0 Min:2 Secs:27	

ProxiTrak 2018

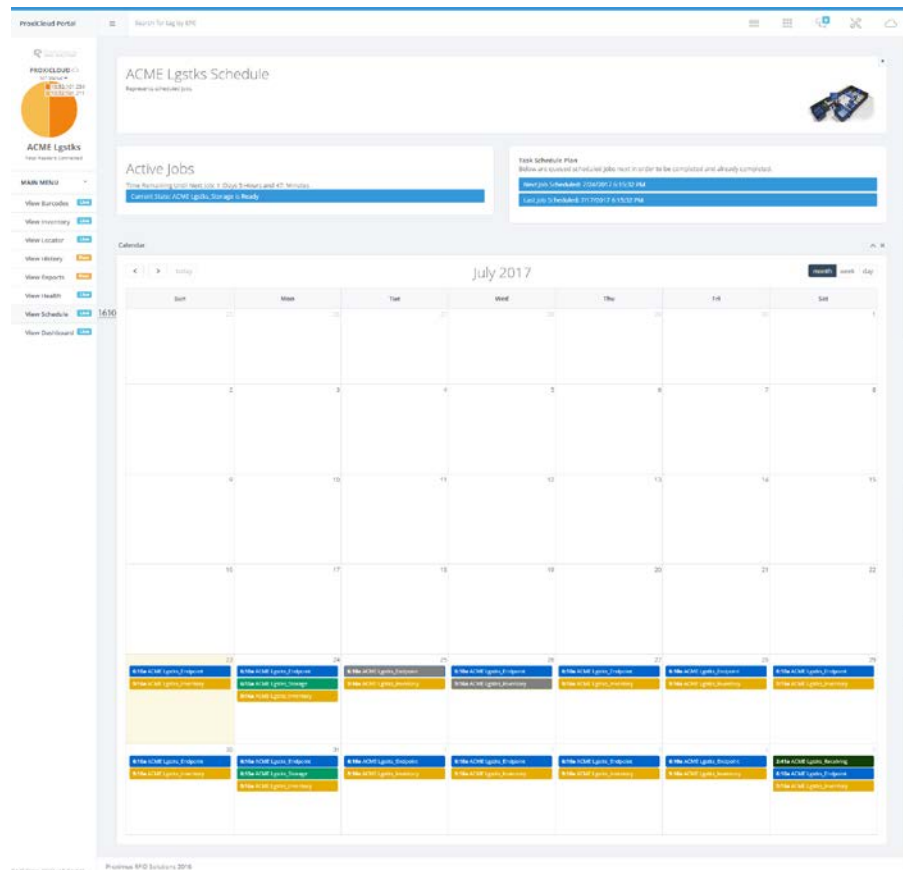
- Exact zone location of asset in real-time
- Type (Model/Make/Mfg./EPC) of Asset
- Current time of asset transitions
- Duration time of asset in zone
- Direction of movement of assets within the particular zone/warehouse

Real-time inventory scheduling



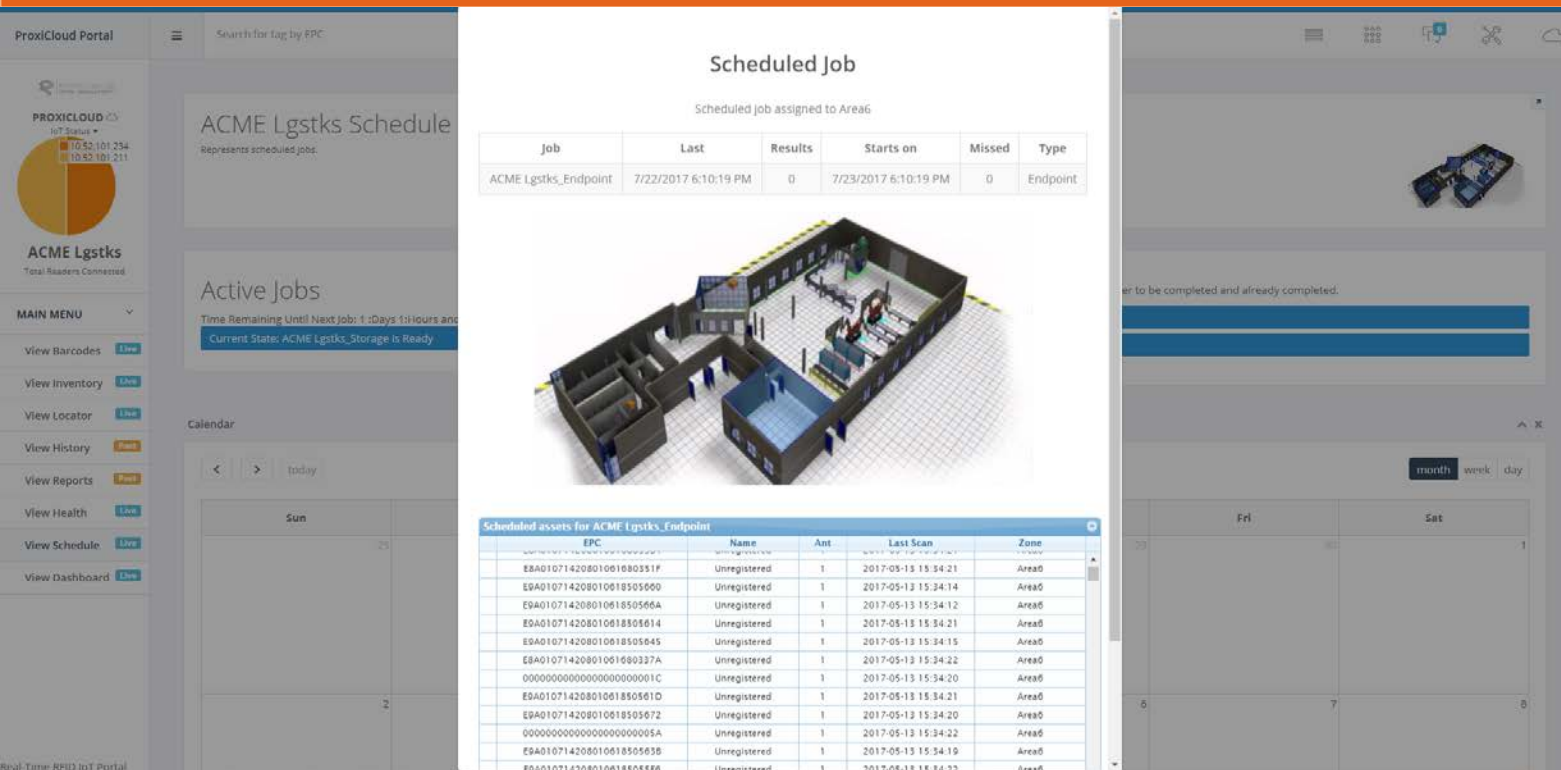
- Create schedule that will inventory any zone or zones when a specific system event occurs.
- Create schedule that will inventory any zone or zones on a specific time, for daily, weekly or monthly schedule.
- Execute inventory on a specific time on a monthly day-of-week schedule.

Real-time inventory scheduling



- Shows event date and times
- Can select event to drill down to schedule details
- Displays active, inactive and number of times a job has executed
- Shows the next job in queue
- Shows job that last executed

Real-time inventory scheduling



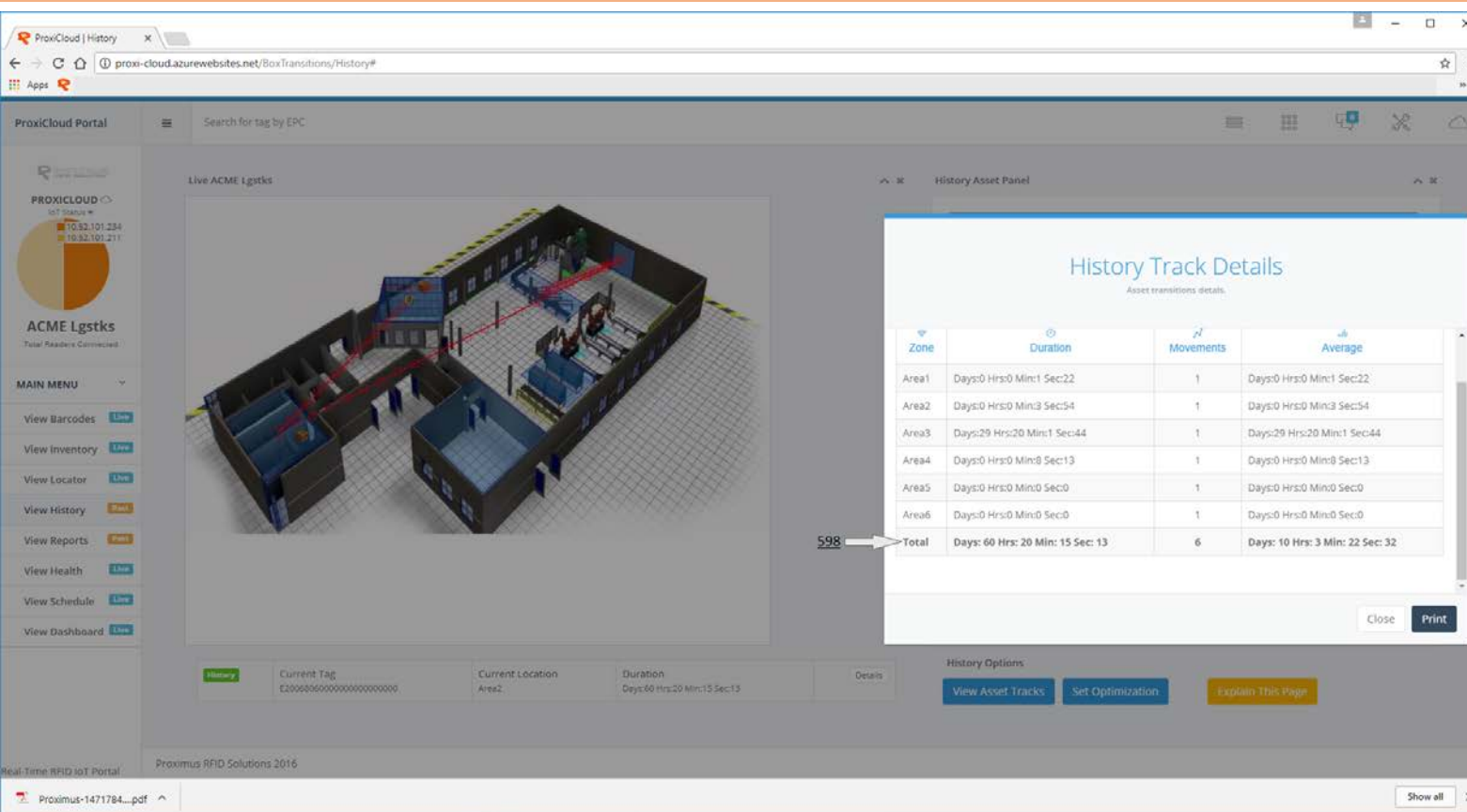
The screenshot displays the ProxiCloud Portal interface. On the left, there's a sidebar with navigation options like 'View Barcodes', 'View Inventory', and 'View Schedule'. The main content area shows a 'Scheduled Job' for 'ACME Lgstks Schedule' assigned to 'Area6'. Below this, there's a 3D floor plan of the area. A table titled 'Scheduled assets for ACME Lgstks_Endpoint' lists various EPC tags with their status, count, and last scan date.

Job	Last	Results	Starts on	Missed	Type
ACME Lgstks_Endpoint	7/22/2017 6:10:19 PM	0	7/23/2017 6:10:19 PM	0	Endpoint

EPC	Name	Ant	Last Scan	Zone
EBAG1071420801061080351F	Unregistered	1	2017-05-13 15:34:21	Area6
EBAG107142080106108050600	Unregistered	1	2017-05-13 15:34:14	Area6
EBAG10714208010610805066A	Unregistered	1	2017-05-13 15:34:12	Area6
EBAG107142080106108050614	Unregistered	1	2017-05-13 15:34:21	Area6
EBAG107142080106108050645	Unregistered	1	2017-05-13 15:34:15	Area6
EBAG1071420801061080337A	Unregistered	1	2017-05-13 15:34:22	Area6
000000000000000000000001C	Unregistered	1	2017-05-13 15:34:20	Area6
EBAG10714208010610805061D	Unregistered	1	2017-05-13 15:34:21	Area6
EBAG107142080106108050672	Unregistered	1	2017-05-13 15:34:20	Area6
000000000000000000000005A	Unregistered	1	2017-05-13 15:34:22	Area6
EBAG10714208010610805063B	Unregistered	1	2017-05-13 15:34:19	Area6
EBAG10714208010610805063F	Unregistered	1	2017-05-13 15:34:22	Area6

- Highlights zone where scheduled job is “live” and active
- Displays current job name, last time the job was executed, number of times missed and job type
- Displays the list of tags inventoried by the job

Historical playback traffic



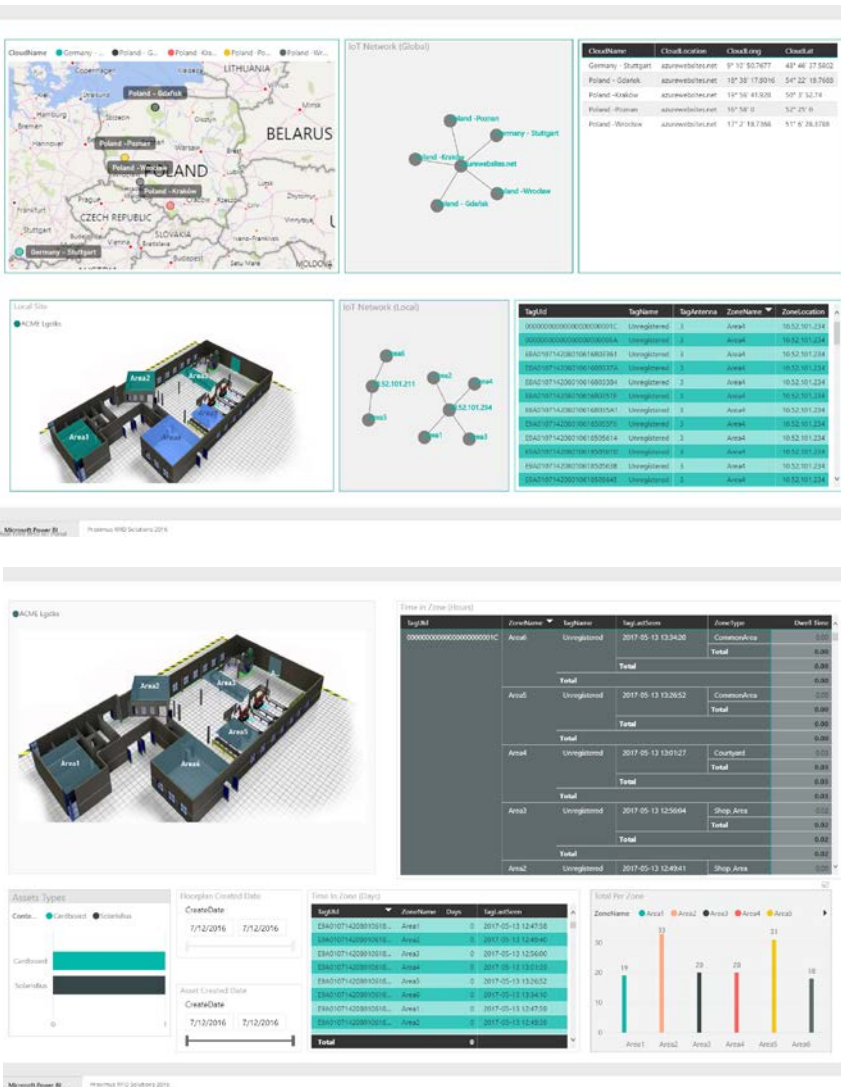
The screenshot displays the ProxiCloud Portal interface. On the left, there's a sidebar with navigation options like 'View Barcodes', 'View Inventory', and 'View History'. The main area shows a 3D model of a warehouse with asset movement paths. A 'History Asset Panel' is open, showing a table of asset transitions. A modal window titled 'History Track Details' is also visible, providing a breakdown of asset movements across different zones.

Zone	Duration	Movements	Average
Area1	Days:0 Hrs:0 Min:1 Sec:22	1	Days:0 Hrs:0 Min:1 Sec:22
Area2	Days:0 Hrs:0 Min:3 Sec:54	1	Days:0 Hrs:0 Min:3 Sec:54
Area3	Days:29 Hrs:20 Min:1 Sec:44	1	Days:29 Hrs:20 Min:1 Sec:44
Area4	Days:0 Hrs:0 Min:8 Sec:13	1	Days:0 Hrs:0 Min:8 Sec:13
Area5	Days:0 Hrs:0 Min:0 Sec:0	1	Days:0 Hrs:0 Min:0 Sec:0
Area6	Days:0 Hrs:0 Min:0 Sec:0	1	Days:0 Hrs:0 Min:0 Sec:0
Total	Days: 60 Hrs: 20 Min: 15 Sec: 13	6	Days: 10 Hrs: 3 Min: 22 Sec: 32

- Total number of assets entering/leaving your warehouse per hour/ day/month? (Actual vs Expected)
- Type (Model/Make/Mfg./EPC) of Asset
- Total/Average time of asset transitions
- Total/Average time asset remains in a particular zone/warehouse?
- Direction of movement of assets within the particular zone/warehouse

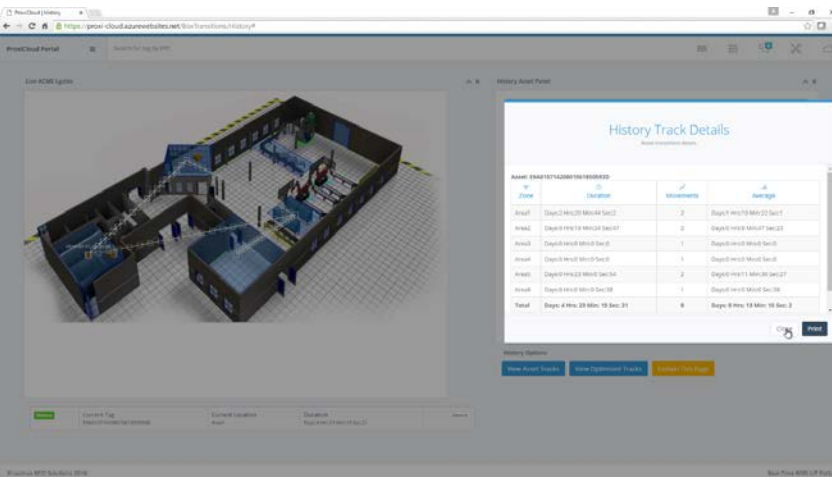
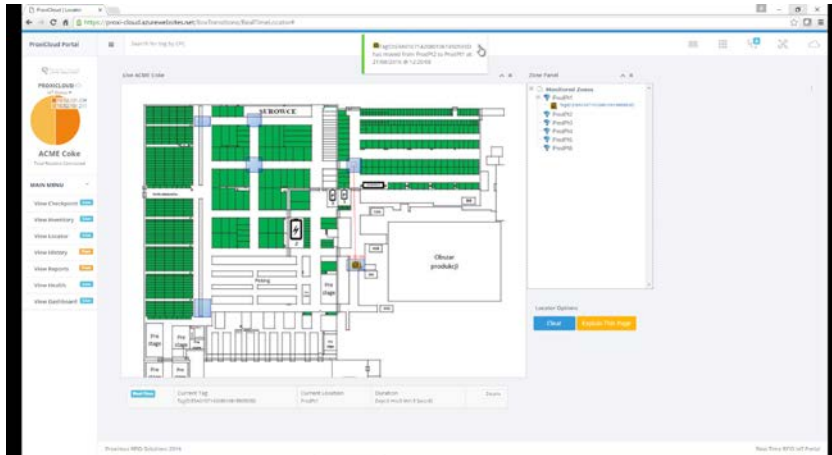
IoT Ecosystem

- Which zones in the warehouse have the most and least traffic in terms of in/out?
- Which zones in the warehouse are the most and least residence in terms of time spent in the zone?



Asset/Forklift metrics

- Analysis of what moved, how much and how fast
- Avg and Max time of forklift route
- Avg and Max dwell time of forklift in zones
- Total number of route; facilitates optimization



Estimation of devices for predetermined infrastructure spaces

Infrastructure No.	1.	2.	3.	4.	5.
Infrastructure area	200 m ²	400 m ²	8000 m ²	1000 m ²	50000+ m ²
Height of the ceiling	3 m (only needed for antenna ceiling installations)				
Pilot duration	8 weeks				
Hardware/Cloud components	<ul style="list-style-type: none"> • Reader: 2 units • Antenna: 8 units • Cloud : 1 account instance • Tags: 0-1,000 	<ul style="list-style-type: none"> • Reader: 4 units • Antenna: 16 units • Cloud : 1 account instance • Tags: 0-5,000 	<ul style="list-style-type: none"> • Reader: 8 units • Antenna: 24 units • Cloud : 1 account instance • Tags: 0-10,000 	<ul style="list-style-type: none"> • Reader: 16 units • Antenna: 64 units • Cloud : 1 account instance • Tags: 0-100,000 	<ul style="list-style-type: none"> • Reader: 32 units • Antenna: 128 units • Cloud : 1 account instance • Tags: 0-250,000+
Features	<ul style="list-style-type: none"> • CAD Infrastructure design (virtual-to-live) • Full asset movement path (real-time, history playback) • Access to dashboard (2 changes in Interface for free) • Maintenance 				

Estimated cost of pilot per infrastructure space type ⁽¹⁾

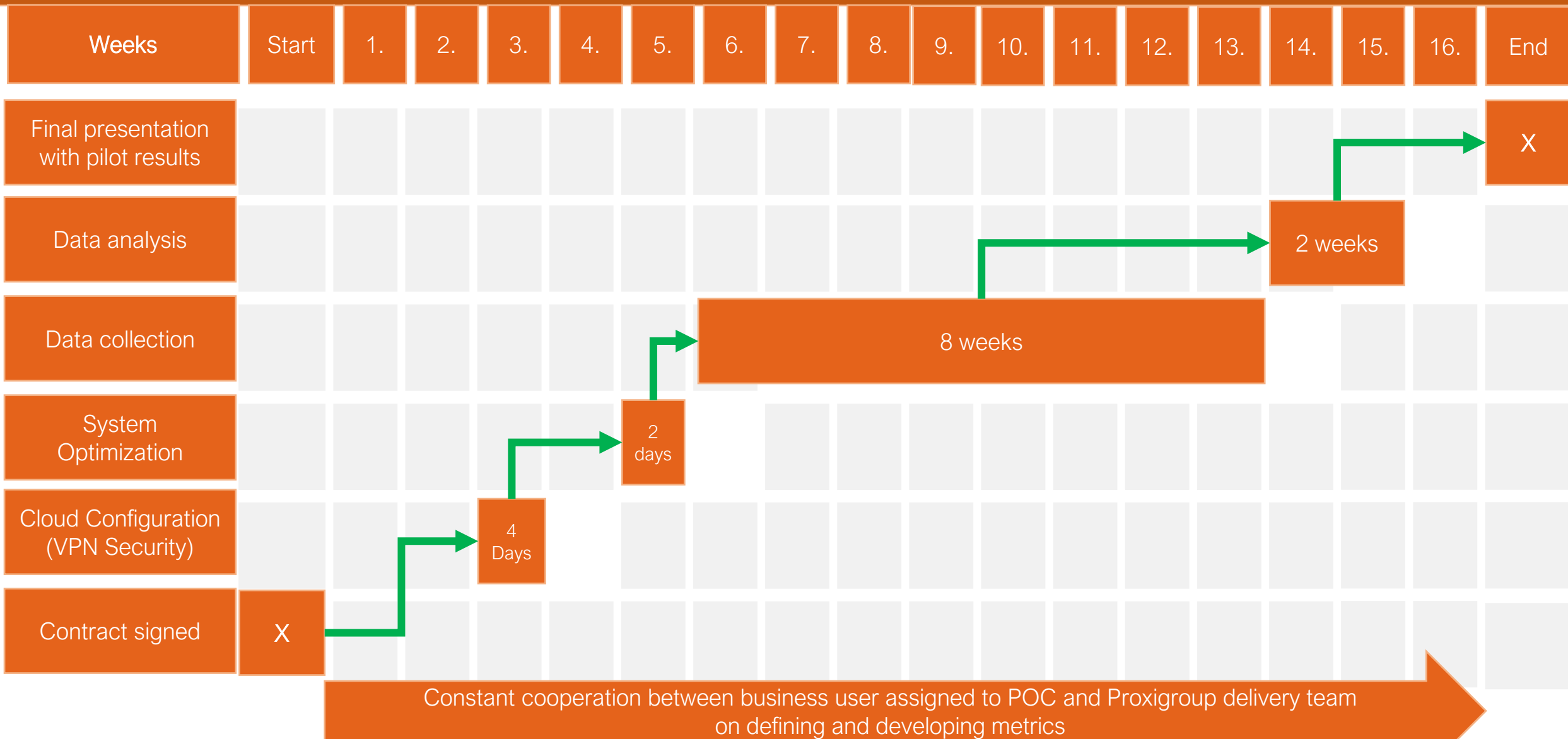
Infrastructure Size	200m2	400m2	600m2
Installation, optimization, deinstallation ⁽²⁾	1,000- 2,000 USD	2,000-4,000 USD	4,000-8,000 USD
Cloud Configuration (Account & Database, Creation, VPN, Virtual Machines, etc.)	1,000 USD	1,000 USD	1,000 USD
SaaS Subscription (Pilot duration) ⁽³⁾	750 USD	750 USD	750 USD
Hardware (Readers & Antennas) ⁽⁴⁾	1000 USD	1000 USD	1000 USD
Medium (Cables brackets, tags) ⁽⁵⁾	250 USD	500 USD	1000 USD

- 1) Prices are estimates in net terms, and will be grossed up for applicable VAT. Pricing is also based on subscriptions per reader per month.
- 2) Price of hardware and installation is based on the assumption that we acquire 3rd party installation service/ This price can be ignored if the client or integration performs this task
- 3) Prices based on Proxitrak Software usage on each reader per month with subscription **per month**. Discount is relevant to subscription length. **See A below**.
- 4) Hardware (per unit) discount assumes readers are returned to Proxigroup following conclusion of pilot. If pilot is extended to a full service- paid amount for hardware is treated as down payment of full hardware price to be reimbursed upon roll out.
- 5) Dependent on type & quantity

A. Proxitrak pricing SaaS Subscription discount is based on Percent of Total. Subscription length of 6 months is 15% discount of total price. 1 year or more qualifies for 20% reduction of price. For example: ProxiTrak SaaS will be \$750.00 per Reader. A 15% discount will be \$637.50 per reader based on a 6-month subscription. A 20% discount will be \$600 per reader based on a 12-month or more yearly subscription.8

Pilot Schedule

Assumes a business user is assigned from week 1 to define exact metrics/ KPI's



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