CASE STUDY

Allegheny County Saves Hundreds of Thousands of Dollars with Seamless Workforce Security Solution at Pittsburgh International Airport Terminal Project

THE DETAILS

PROJECT TYPE
Airport Terminal

AVG DAILY HEADCOUNT
800+

PROJECT DURATION
36 Months

PROJECT OWNERS

Jason Timmerman
VP of Workplace Safety at
Allegheny County Airport Authority

Beth Harrison
Foresight Construction Services

Michael Conti
Turner Construction

PITTSBURGH
INTERNATIONAL AIRPORT

The teams at the Allegheny County Airport Authority and Turner Construction needed to implement a solution to efficiently move 700+ workers daily through a single entrance and exit while accurately accounting for their coming and going. They were also mandated to have security guards on site, which meant solutions like automated barriers and turnstiles would come at extraneous cost. In addition, the construction team needed to deliver several wide-reaching reports on a regular basis:

- Fatigue Report – hours worked beyond a safety threshold.

- Productivity – Weekly headcounts, trade-counts, and workhours.

- Worker Zip Codes Report for prevailing wages.

- Automated timesheets to verify Green Points in Park Smart certification program.

Eyrus Registration

- Workers build their profile and are approved before or when they arrive on site
- Workers receive combined NFC/BLE badges

Scan Guns

Security Guards are given scan guns that approve access and record data into the Eyrus system. Provides data-based security with no wait time.

Bluetooth (BLE) Readers

- Record time spent in key areas for prevailing wage reports
- Record exit for seamless worker exit
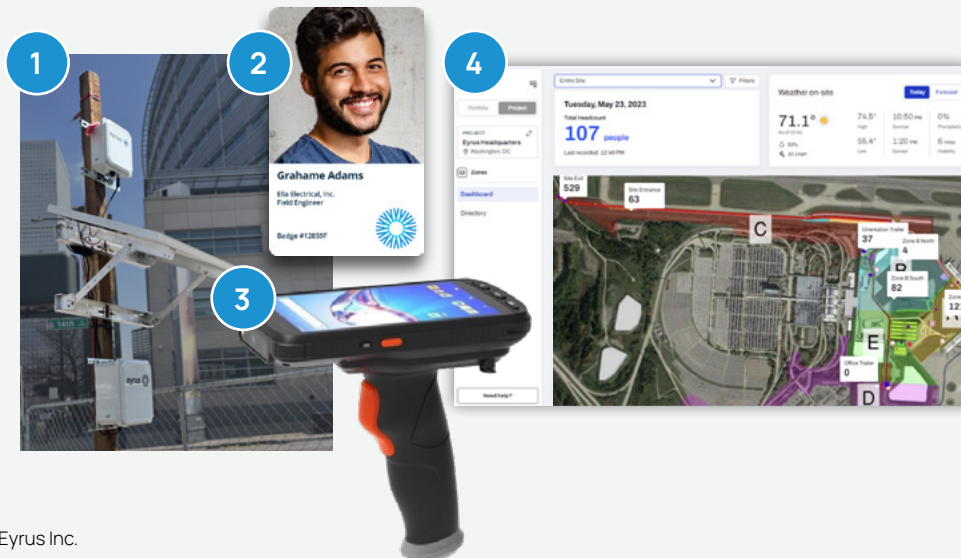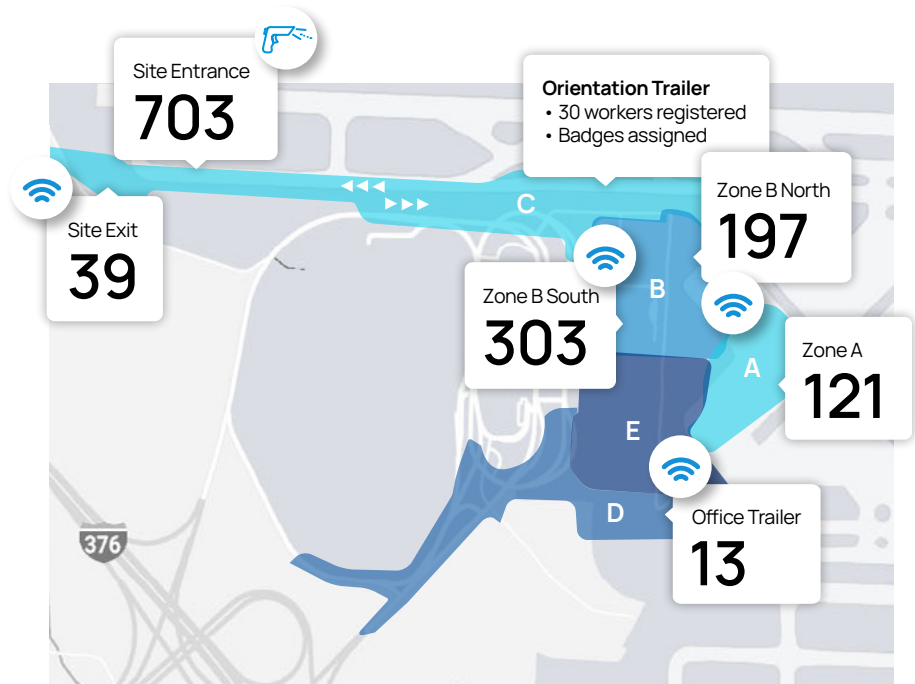- Provides general worker location during emergencies.

Map and Automated Data Collection workflow

On Day 1: Safety Orientation

- Workers register remotely or during orientation
- Workers assigned badge

Daily

- Entrance: worker badge scanned with guard-held scanner
- Access approved and entrance time is recorded
- BLE units detect worker badges recording time spent in different zones
- Exit: BLE Unit at exit picks up worker badge and records exit time

Site Entrance
703

Site Exit
39

Orientation Trailer
- 30 workers registered
- Badges assigned

C

Zone B North
197

B

Zone B South
303

A

Zone A
121

E

D

Office Trailer
13

376

Hardware Included

1. BLE Reader
2. Combo NFC/BLE Badge
3. Guard Scan-gun
4. Eyrus Software

Grahame Adams

Tuesday, May 23, 2023
Total headcount
107 people

Weather on-site
71.1°

Fatigue Report

Delivered once a week, highlighting workers that have worked hours exceeding a "safe" threshold.

Productivity

Weekly update of:
- Headcounts
- Tradecounts
- Workhours

Worker Data

Worker Zip Codes Report for prevailing wages – weekly report of what zip codes workers are from and which zones they spend time in on site.

Workforce Reporting

Worker hours/timesheets to earn green points in Park Smart certification program.

BENEFITS

The Allegheny County Airport Authority will save $200k+ over the course of the project on security barriers or turnstiles. Their team answers on the benefits they are experiencing with Eyrus:

How do you use Eyrus, and what do you like most about Eyrus?

Eyrus helped us plan and implement a best-in-class access control and workforce management solution that met all of our requirements and saved us a lot of money over the course of our project. I'm impressed with the Eyrus team's responsiveness, and we are excitedly exploring other Eyrus solutions that will benefit our project.

Jason Timmerman
VP of Workplace Safety
Allegheny County Airport Authority

I run all the new hire site access badging that must be completed with their safety orientation for the project. What I like most is that Eyrus maintains electronic records of everyone on the project (both past and present workers) and provides accountability of workers' timesheet records and reports.

Beth Harrison
Foresight Construction Services

ABOUT EYRUS

Eyrus brings technology to your construction site to automate workforce management and worksite monitoring and alerts. Save hours a day while enriching your team with data and awareness.

Eyrus powers flexible solutions to meet the specific needs of each project, including:

Worker Management
- Registration and Onboarding
- Mass-text messaging
- Time and Attendance
- Reporting
- Integrations

Worksite Security and Monitoring
- Access Control
- Automated Time and Attendance
- Video Surveillance
- Video Monitoring
- Fire Detection
- Water Detection

eyrus Contact us to learn more and schedule a demo.

Doug Schmoe
847-714-4847
doug@eyrus.com