

2025 IAAP Innovative Safety Award: "Boots on the Ground" (BoG) Application

Boots on the Ground (BoG): Driving Safety Excellence Through Digital Leadership

An innovative mobile solution for proactive safety engagement and visibility.

Company: Amrize

Presented by: Jenny O'Leary, Health & Safety Coordinator for Greater Chicago Area

Development, Implementation, and Recognition



Development & Implementation: Health & Safety Department



Implementation Date: 2021



 **Key Performance Indicators (KPIs)**

Due to its success, **In the Field Hours** and **Visible Personal Commitments interactions** are now formally included in the company's organizational KPIs.



 **Evolution and Future**

The application was acquired by **Amrize** and rebranded as **I-Site**.
I-Site Launch: September 2025 (Beta testing was conducted successfully with the development team).

The Innovative Solution: "Boots on the Ground"



The Boots on the Ground (BoG) Tool is a proprietary, online phone application that revolutionized how management engages with safety on site.

***Core Function:** It enables managers and supervisors to **log and track quality time** spent in the field with their teams.

***Location Tracking:** Users log in/out of specific areas or sites using **QR codes** within the app.

***Data Insight:** The tool calculates the **average time** leadership collectively spends on site, highlighting engagement trends and areas for focus.



Key Objectives

***Increase Leadership Visibility** and presence on site.

***Improve Safety Awareness** and proactivity among all workers.

***Demonstrate a Commitment to Safety** through quantifiable interaction.

How BoG Drives Safety Engagement

Quality In-Field Interactions

Managers use the logged time to conduct "**quality**" interactions, including:

- **Safety Huddles**
- **Safety-Related Activities**
- **Contractor Performance Reviews**
- **Coaching Sessions**

Employee Engagement Metrics

The program formally tracks specific safety engagement types:

- **Visible Personal Commitment (VPC):** A manager/employee interaction focusing on safe practices.
- **Critical Visible Personal Commitment (CVPC):** A heightened, critical coaching/commitment session.

Training & Competency

The app stores and tracks **training and competency checks**, ensuring all data is centralized in an online database.

Hazard Identification and Corrective Action

- **Real-Time Hazard Mitigation**
- BoG empowers employees and managers to take immediate, proactive action on hazards. This promotes a safe work environment for everyone and encourages others to report hazards when they see them in real time.

Feature	Description	Safety Impact
Hazard Identification (HazID)	Allows users to report a hazard directly from the work area in real time.	Promotes a culture of reporting and proactivity.
Action Creation	An action is immediately created outlining how to fix the hazard.	Ensures hazards are systematically addressed.
Owner & Due Date	An owner is assigned to complete the action with a specified due date.	Establishes accountability and timely closure.

Positive Results & Safety Improvements

Company-Wide Impact (2024 Data)

- **Total Active Sites: 600**
- **Daily Users: 15,000**
- **Field Activity Hours: Over 4.2 million** hours logged.
- **Coaching Sessions (VPC/CVPC): 670,000** completed.
- **Actions Closed (HazID): 370,000** completed.
- **Overall Safety Metric:** Achieved the company's **lowest Lost Time Incident Frequency Rate (LTIFR) to date.**



Greater Chicago Area (GCA) Results (2024)

Metric	Result/Change	Safety Impact
First Aid Incidents	30% Decrease compared to the prior year.	Direct reduction in minor injuries.
Property Damage	13% Decrease from the prior year.	Improved situational awareness and hazard control.
Lost Time Incidents	Zero lost time incidents.	Met the threshold for the TIFR goal.
Total In-Field Activity	Over 13,000 hours logged.	Significant increase in management visibility.
HazIDs Identified	Approx. 500	Increased proactive hazard elimination.
VPC/CVPC Interactions	Over 1,450 completed (1,150 VPCs / 300 CVPCs).	Improved employee involvement and engagement.

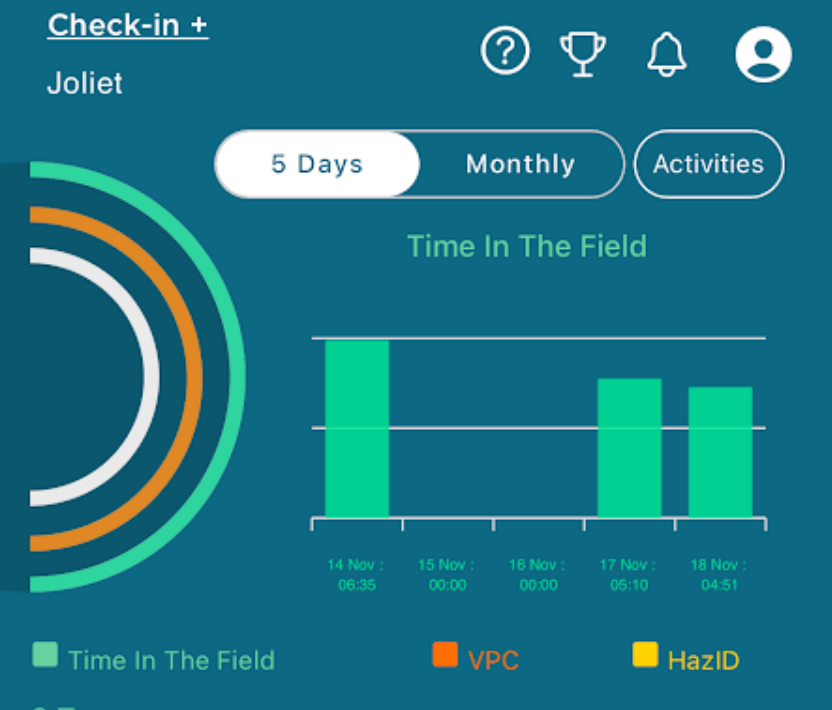
Conclusion: A Proven, Award-Worthy Solution

Summary of Innovation

- The Boots on the Ground (now I-Site) application represents a unique and highly successful approach to safety management by **digitizing and formalizing leadership commitment and employee engagement** in the field. I-Site provides a quantifiable, sustainable, and scalable model for driving safety excellence.

✓ Key Achievements

- **Increased Leadership Visibility** and "In the Field" time.
- **Significantly Reduced Incidents (Lowest LTIFR, 30% First Aid Decrease in GCA).**
- **Proactively Managed Hazards** (370,000 actions closed company-wide).
- **Established Safety Engagement (VPC/CVPC) as a Core KPI.**



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iQRs Scanned

PUE | Location | Housekeeping

We talk
cVPC / VPC

I see
HazID / HK



cVPC | VPC

Priority Unwanted Events (12)
(Click on PUEs to view the questionnaire)

Structural Collapse | Mobile Equipment | Fall From Height

Description *

- cVPC | VPC
- Safety | Environment
- Energy consumption (e.g. wasting, saving c
 - Air emissions - fugitive dust
 - Internal Waste
 - Other emissions (noise, vibration, odour)
 - Confined Spaces
 - Electrical Safety
 - Energy Isolation
 - Hot Work / Welding / Grinding
 - Lifting and Supporting Loads
 - Machine Guarding
 - Mobile Equipment (any on-site vehicle)
 - Work at Height