

# CASE STUDY



## How OCAR Improved Equipment Tracking and Billing Accuracy Across Multiple Job Sites Using Luna XIO

### Synopsis

Luna XIO helped OCAR (Oracle Construction & Restoration) improve visibility and control of mitigation equipment across dozens of active job sites throughout California. By implementing a scalable, infrastructure-light tracking solution, OCAR gained real-time and historical visibility into equipment usage, improved billing accuracy, recovered missed revenue, and streamlined operations across multiple regions.



#### Use Case

Equipment Tracking

#### Environment

Multi-Site Restoration Operations

#### Solution

Asset Visibility

### ABOUT OCAR

OCAR (Oracle Construction & Restoration) is a California-based restoration and mitigation company serving residential, commercial, and multi-family housing projects across Sacramento, San Jose, and Los Angeles.

The company completes 300 projects annually, with roughly 75 active jobs running at any given time. OCAR manages a fleet of approximately 250 pieces of mitigation equipment, including dryers, dehumidifiers, and air scrubbers, that are continuously deployed and transferred between customer sites throughout California.

Because mitigation equipment is billed on a daily usage basis while onsite, the company manages between 2000 and 3000 equipment rental charges each month, making accurate visibility into when equipment arrives, moves, and is removed critical to operational efficiency and billing accuracy.

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**300**

PROJECTS COMPLETED  
ANNUALLY



**75**

ACTIVE JOBS  
AT ANY GIVEN TIME



**250**

PIECES OF MITIGATION  
EQUIPMENT MANAGED



**2,000–3,000**

EQUIPMENT RENTAL CHARGES  
EACH MONTH

Because mitigation equipment is billed on a daily usage basis while onsite, accurate visibility into when equipment arrives, moves, and is removed is critical to billing accuracy and operational efficiency.



## THE CHALLENGE: TRACKING EQUIPMENT ACROSS HIGH-VOLUME JOB SITES

With mitigation equipment constantly moving between locations, maintaining accurate, real-time visibility proved difficult. Equipment frequently changed job sites, was redeployed between regions, or remained onsite longer than expected. As a result, equipment tracking remained difficult and inconsistent, creating operational issues including:

- Time wasted assembling and recovering equipment for a particular job and some inadvertent loss of equipment.
- Missed billing opportunities caused by unrecorded equipment usage.

The company explored several tracking solutions including barcodes, RFID and consumer-oriented Bluetooth solutions like the AirTag®, but these systems lacked automation as well as the scalability and reliability needed to support OCAR's operational footprint across multiple California markets.

# THE SOLUTION: ZERO-TOUCH VISIBILITY WITH LUNA XIO

OCAR partnered with Luna XIO to implement a scalable asset visibility platform capable of monitoring mitigation equipment across all active job sites.

The Luna platform provided both real-time and historical tracking data, allowing management to verify equipment usage on any given day and maintain a clearer operational picture across all regions.



## Luna XIO stood out because it offered:

-  A scalable system capable of supporting multi-region operations
-  Cost-effective deployment without heavy infrastructure requirements
-  Simple installation and rapid deployment
-  A clean, user-friendly interface for both field and office teams

## HOW IT WORKS - THE LUNA SOLUTION WAS BUILT ON THREE SIMPLE COMPONENTS:



### Smart Tags:

Compact Bluetooth tags attached to mitigation equipment continuously broadcast a unique asset ID for automatic detection.



### Mobile Gateways:

Employee smartphones running the Luna app automatically detect nearby tagged equipment and securely transmit location data.



### Automated Reporting:

Luna APIs convert GPS coordinates into readable addresses and automatically generate daily location reports with complete asset history.

# IMPLEMENTATION:

Tracking devices were deployed across OCAR's mitigation equipment fleet quickly with minimal disruption to daily operations.

Each day, the solution automatically captures the latest known location of every tracked Asset and generates an updated report without any manual effort. Using Luna's APIs, the system retrieves each asset's GPS coordinates, converts them into a readable street address, and records both the current location and the last time the asset was detected.

The report provides Oracle with a daily historical record of asset locations, making it easy to verify where equipment was located on any given day, identify assets that have not recently reported, and support operational planning, auditing, and asset accountability. Monthly reports are automatically organized and archived, creating a continuous history with no manual data collection required.

## AUTOMATED DAILY ASSET LOCATION REPORT

**CURRENT RECORDED LOCATION**  
Automatically converts GPS coordinates into precise, readable address.

**DAILY HISTORICAL RECORD**  
Captures each location daily to create a continuous audit trail.

**LAST LOCATION UPDATE**  
Shows the last time an asset was detected by the Luna platform.

| Asset    | Address                                      | Day Recorded           | Time Recorded | Day Loc Last Update    | Time Loc Last Update |
|----------|----------------------------------------------|------------------------|---------------|------------------------|----------------------|
| Dryer 10 | 5640 Roseville Rd, Sacramento, CA 95842, USA | Monday, June 1 2026    | 12:07 PM PT   | Saturday, May 30 2026  | 3:55 PM              |
| Dryer 11 | 5640 Roseville Rd, Sacramento, CA 95842, USA | Tuesday, June 2 2026   | 12:07 PM PT   | Tuesday, June 2 2026   | 10:13 AM             |
| Dehu 10  | 5640 Roseville Rd, Sacramento, CA 95842, USA | Wednesday, June 3 2026 | 12:07 PM PT   | Wednesday, June 3 2026 | 9:54 AM              |
| AS 12    | 5640 Roseville Rd, Sacramento, CA 95842, USA | Thursday, June 4 2026  | 12:07 PM PT   | Thursday, June 4 2026  | 9:51 AM              |
| Dehu 16  | 5640 Roseville Rd, Sacramento, CA 95842, USA | Friday, June 5 2026    | 12:07 PM PT   | Friday, June 5 2026    | 11:50 AM             |
| AS 20    | 5640 Roseville Rd, Sacramento, CA 95842, USA | Saturday, June 6 2026  | 12:07 PM PT   | Friday, June 5 2026    | 12:39 PM             |
| AS 250   | 5640 Roseville Rd, Sacramento, CA 95842, USA | Sunday, June 7 2026    | 12:07 PM PT   | Friday, June 5 2026    | 12:39 PM             |
| Dryer 23 | 5650 Roseville Rd, Sacramento, CA 95842, USA | Monday, June 8 2026    | 12:07 PM PT   | Monday, June 8 2026    | 8:42 AM              |
| Dryer 17 | 5640 Roseville Rd, Sacramento, CA 95842, USA | Monday, June 1 2026    | 12:07 PM PT   | Monday, June 1 2026    | 9:30 AM              |
| Dryer 31 | 5640 Roseville Rd, Sacramento, CA 95842, USA | Tuesday, June 2 2026   | 12:07 PM PT   | Tuesday, June 2 2026   | 12:04 PM             |
| Dehu 105 | 5640 Roseville Rd, Sacramento, CA 95842, USA | Wednesday, June 3 2026 | 12:07 PM PT   | Wednesday, June 3 2026 | 9:42 AM              |
| AS 121   | 5640 Roseville Rd, Sacramento, CA 95842, USA | Thursday, June 4 2026  | 12:07 PM PT   | Thursday, June 4 2026  | 9:40 AM              |
| Dehu 161 | 5640 Roseville Rd, Sacramento, CA 95842, USA | Friday, June 5 2026    | 12:07 PM PT   | Friday, June 5 2026    | 11:50 AM             |
| AS 201   | 5640 Roseville Rd, Sacramento, CA 95842, USA | Saturday, June 6 2026  | 12:07 PM PT   | Friday, June 5 2026    | 8:42 PM              |
| AS 28    | 5640 Roseville Rd, Sacramento, CA 95842, USA | Sunday, June 7 2026    | 12:07 PM PT   | Friday, June 5 2026    | 8:42 PM              |
| Dryer 27 | 5650 Roseville Rd, Sacramento, CA 95842, USA | Monday, June 8 2026    | 12:07 PM PT   | Monday, June 8 2026    | 8:42 AM              |
| Dryer 2  | 5640 Roseville Rd, Sacramento, CA 95842, USA | Monday, June 1 2026    | 12:07 PM PT   | Monday, June 1 2026    | 9:36 AM              |
| Dryer 7  | 5640 Roseville Rd, Sacramento, CA 95842, USA | Tuesday, June 2 2026   | 12:07 PM PT   | Tuesday, June 2 2026   | 11:53 AM             |
| Dryer 33 | 5640 Roseville Rd, Sacramento, CA 95842, USA | Wednesday, June 3 2026 | 12:07 PM PT   | Wednesday, June 3 2026 | 9:47 AM              |
| Dehu 1   | 5640 Roseville Rd, Sacramento, CA 95842, USA | Thursday, June 4 2026  | 12:07 PM PT   | Thursday, June 4 2026  | 11:58 AM             |
| AS 12    | 5640 Roseville Rd, Sacramento, CA 95842, USA | Friday, June 5 2026    | 12:07 PM PT   | Friday, June 5 2026    | 11:37 AM             |
| Dehu 162 | 5640 Roseville Rd, Sacramento, CA 95842, USA | Saturday, June 6 2026  | 12:07 PM PT   | Friday, June 5 2026    | 8:43 PM              |
| AS 205   | 5640 Roseville Rd, Sacramento, CA 95842, USA | Sunday, June 7 2026    | 12:07 PM PT   | Friday, June 5 2026    | 8:43 PM              |
| AS 29    | 5650 Roseville Rd, Sacramento, CA 95842, USA | Monday, June 8 2026    | 12:07 PM PT   | Monday, June 8 2026    | 8:42 AM              |

**ASSET NAME**  
Quickly find any device with an easy-to-read asset ID.

**CUSTOMIZABLE REPORTING FOR OPERATIONS** - Location data can be organized into reports and dashboards that match operational workflows, providing the information your teams need in a format that supports daily decision-making.

# BUSINESS IMPACT

Since implementing Luna XIO's asset tracking, OCAR has seen **measurable financial gains and Operational Improvements** across its restoration operations.

**75% reduction in equipment shrinkage** through real-time visibility and improved accountability, substantially reducing equipment loss and misplaced assets.

Virtually **eliminated equipment left behind** on completed job sites, allowing assets to be recovered quickly and returned to revenue-generating service.

**5% increase in billable equipment revenue** by identifying equipment that remained on job sites longer than originally reported, ensuring customers were billed for actual equipment usage.

Dramatically **improved billing accuracy** by eliminating missed charges caused by manual tracking errors and technician oversight.

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**10% improvement in equipment utilization** by increasing visibility into asset availability, allowing existing equipment to support more projects without expanding the fleet.

**Saved approximately 19 labor hours** per month by eliminating manual searches through real-time asset visibility.

**10% reduction in equipment replacement costs** by improving recovery of misplaced assets and reducing loss.

**10% improvement in operational efficiency** by automating equipment reconciliation and reducing administrative effort.

**Complete inventory accountability** through a searchable historical record of equipment locations and movements.

**Virtually eliminated billing disputes** with verifiable historical data documenting equipment arrival, usage, and removal dates.

**5% increase in fleet productivity** by enabling faster identification and redeployment of available equipment between active projects.





“We looked at other approaches, but Luna was the first solution that felt practical for how we actually operate. It was easy to deploy, simple for our teams to use, and gave us the visibility we needed to better track equipment usage and support more accurate billing.”

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— Pete Halimi, President, Oracle Properties Development, Inc.

## CONCLUSION

Luna XIO provided OCAR with a scalable, cost-effective solution for tracking mitigation equipment across a large volume of active projects and multiple operating regions.

By combining real-time visibility with historical tracking data, OCAR improved operational control, increased billing accuracy, recovered previously missed revenue, and created a stronger operational foundation for continued growth.

The deployment demonstrated how infrastructure-light asset tracking can help restoration and construction companies improve both operational efficiency and financial accountability without adding complexity to field operations.

## ABOUT LUNA XIO



Luna XIO provides visibility solutions designed to simplify enterprise asset tracking.

By reimagining Bluetooth technology with secure zero-touch, zero-trust communication protocols, Luna enables enterprise-grade tracking without expensive infrastructure, operational complexity, or high recurring costs.

Its plug-and-play solutions are designed for rapid deployment and effortless scalability, delivering real-time visibility across operations of any size. Luna XIO solutions are available through a global network of partners and resellers.