

Harvard University Mobile Transformation Use Case

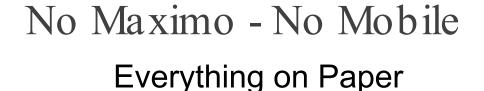






Starting Point







Skeptical User Community

Unionized Workforce



Uneven History

Project Paybacks



Management Commitment

Operational Efficiency



Results First 5 years



1 Million

Paper Forms Removed



100%

User Adoption



< 2 Years

Full Project Payback

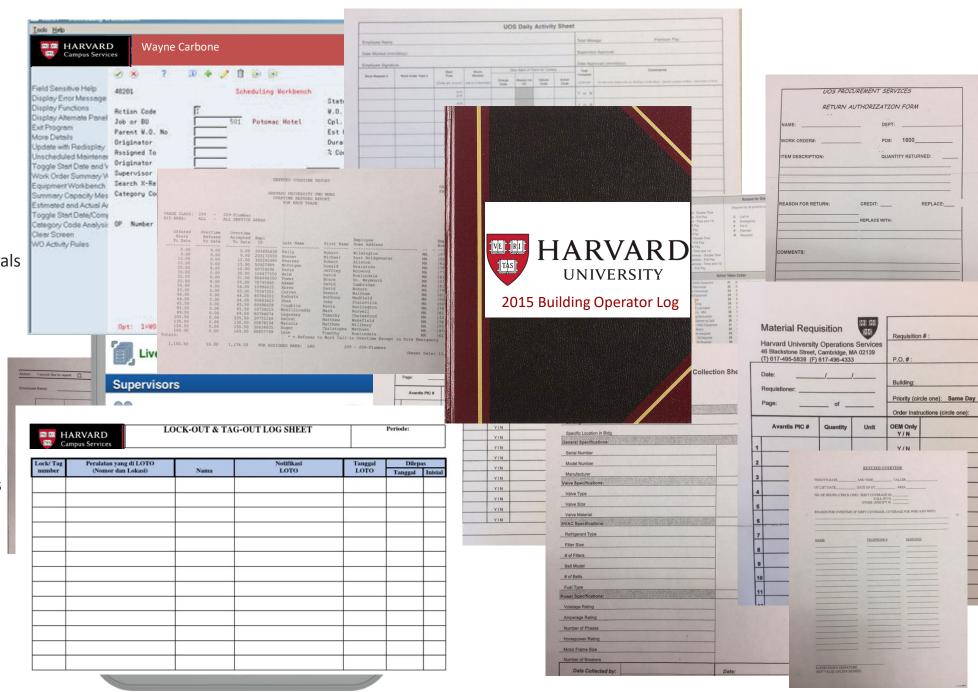


Transformed

Operational Efficiency

Paper to Digital

- ✓ Work Orders / Assignments
- ✓ Time Card Creation
- √ Time Card Approval
- ✓ Materials Requests / Approvals
- ✓ Stockroom Returns
- ✓ Time Off Requests
- ✓ Overtime Initiation
- ✓ Overtime Offers / Responses
- ✓ Asset Data Collection
- ✓ LOTO Tracking Logs
- ✓ Operator Log Books



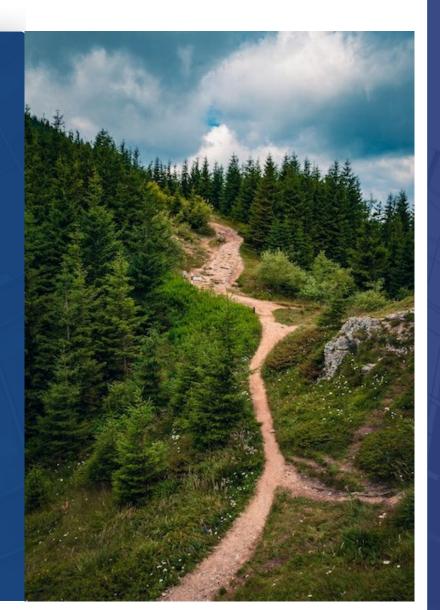
Key Elements of Success

Concepts of Design

Mobile Work Process Re-design

User Experience

Leveraging Partners





SME's Design



Track the Plan



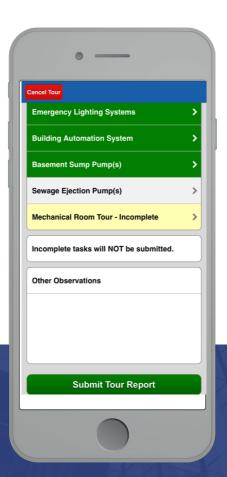
No Surprises

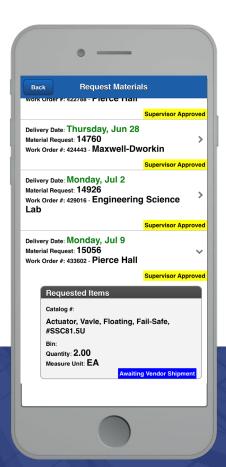
Concepts of Design

Extended Functionality

No Duplicate Entries

Only Ask for New Information





Expanded Awareness

Access Empowering Information

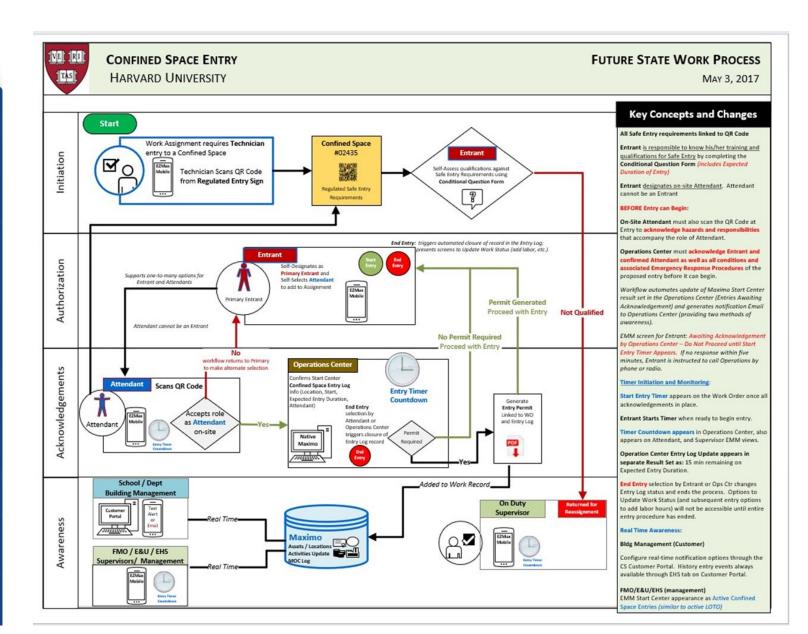
Leverage Vendor Relationships

Everything Can Be Mobile

Mobile Work Process Redesign

Most Overlooked Step

- Pinpoint the Method of Movement
- Capture Pain Points & Opportunities
- Confirm and Reconfirm with Others
- Redesign to Eliminate Leaks
- O This is your Guidebook!



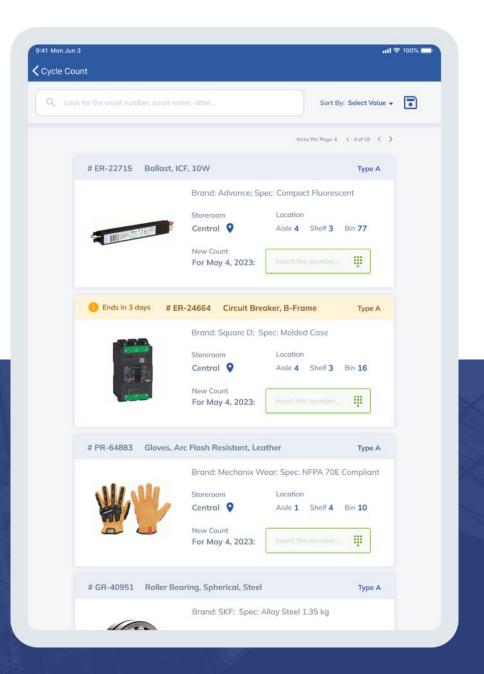
User Experience

"Bring them Real Information"

Pulldowns vs freeform text

"Stacking versus Packing"

Reminders and Guides

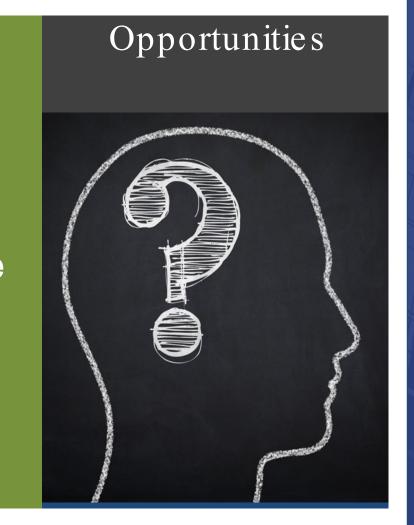


Leveraging Partners

"Vendors know what they sell ... and are willing to work to sell it"

Let them make OUR data perfect

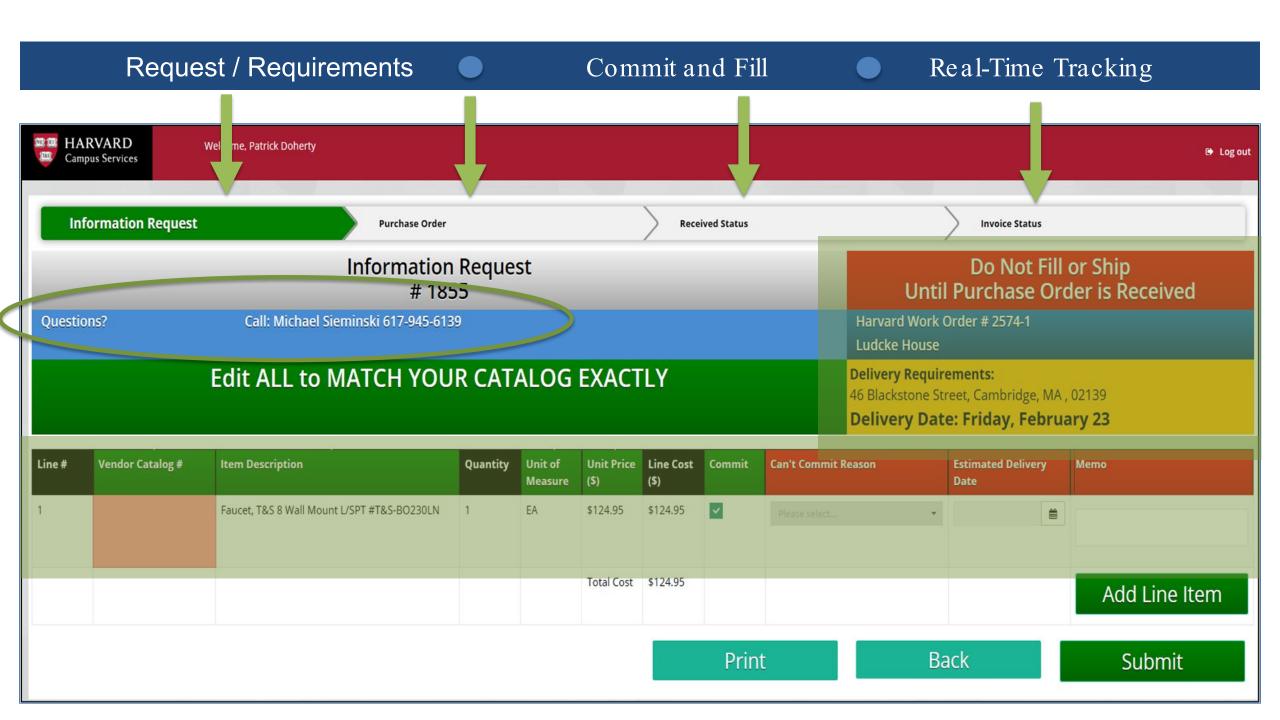
Let everything happen in real -time

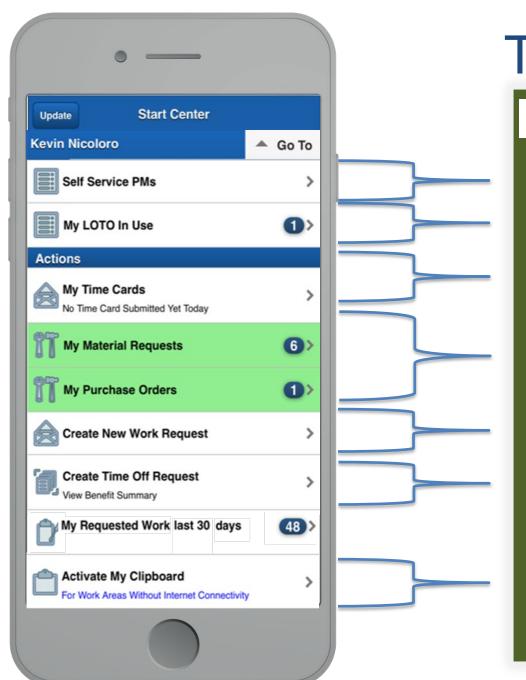


86% Transactions

78% Spend

12 Vendors





Technician Workforce

Extended Functionality

Self Service PM Work

Lock Out Tag Out Activation and Tracking

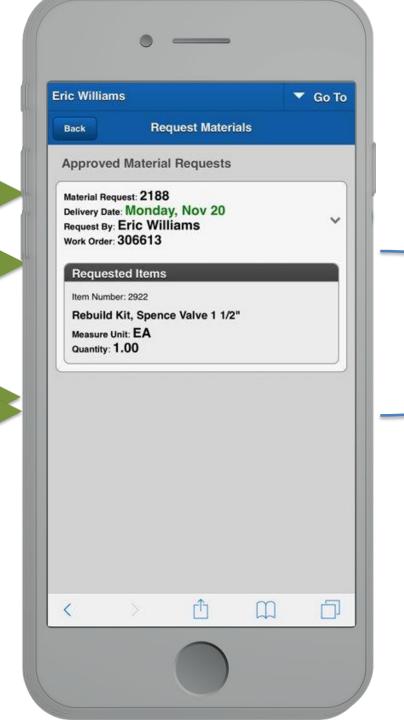
Time Card Creation and Management

Materials Request and Tracking (full cycle)

New Work Request Creation

Time Off Request Creation and Management

Full Off-Line Functionality



Materials Request

Extended Functionality

Self – Service Request

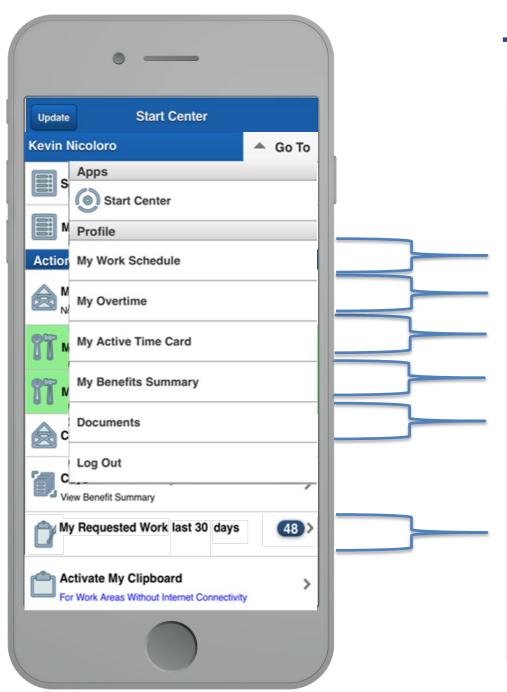
Persona Soupphy House Format

Asset Parts and Materials History Full User Control

Category Search

Universa Transparent Approval / Fulfillment

✓ Continuous Awareness



Technician Workforce

Expanded Awareness

Work Schedule

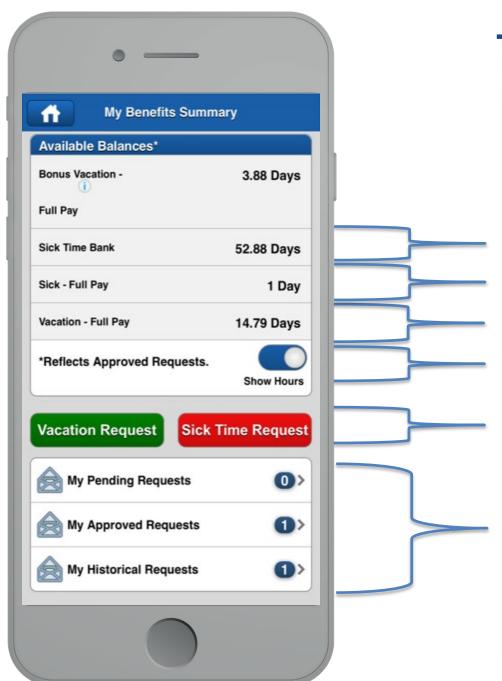
Overtime Management (My History, Entire Crew)

Active Time Card (ongoing creation)

PTO Benefits and History

Documents (Union Agreement, Department Policies)

Tracking My Requests



Time Off Management

Expanded Awareness

Banked Time

Sick Time Available

Vacation Time Available

Days or Hours Display

Request Time (Vacation or Sick)

Request Tracking (Pending, Approved, Historical)

Real-Time Integration to PeopleSoft HR System



Supervisors and Managers

Extended Functionality

Work Order Tracking (Dept, Crew, Team, Technician)

Preventive Maintenance (Active, Look Ahead)

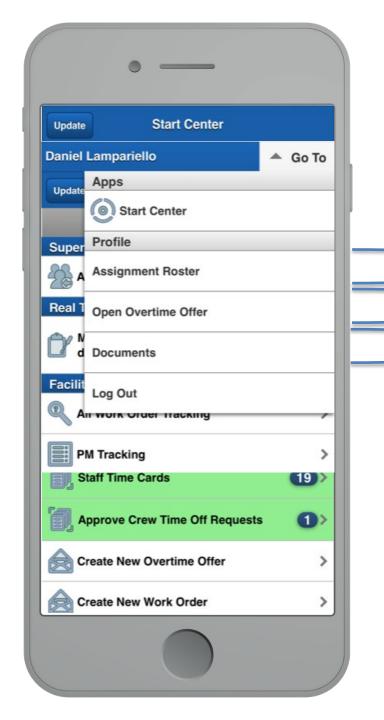
Lock Out / Tag Out (All Active, Direct to WO)

Review / Approve Time Cards (Real-Time)

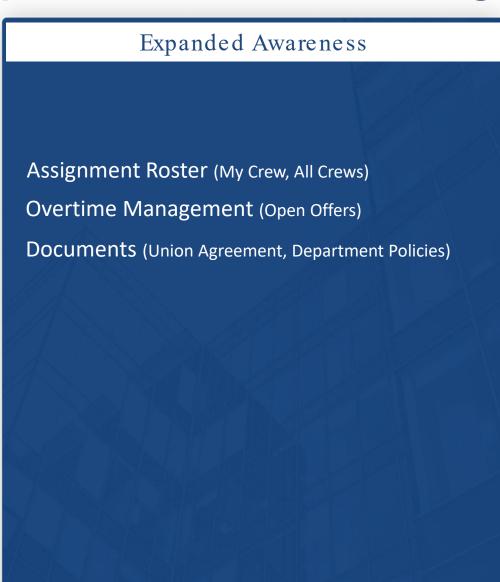
Review / Approve Time Off Requests (Real-Time)

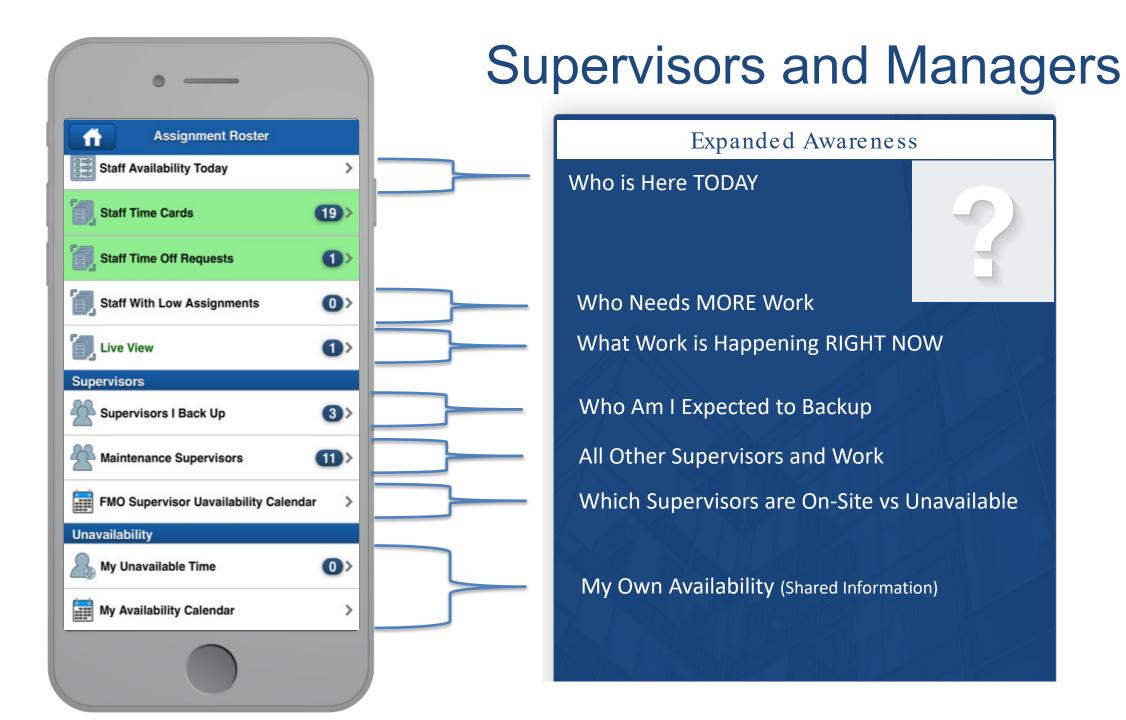
Creating Overtime Offers

Creating New Work Orders



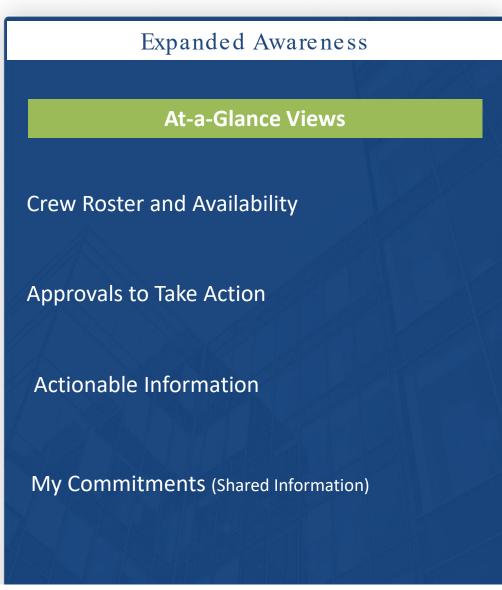
Supervisors and Managers

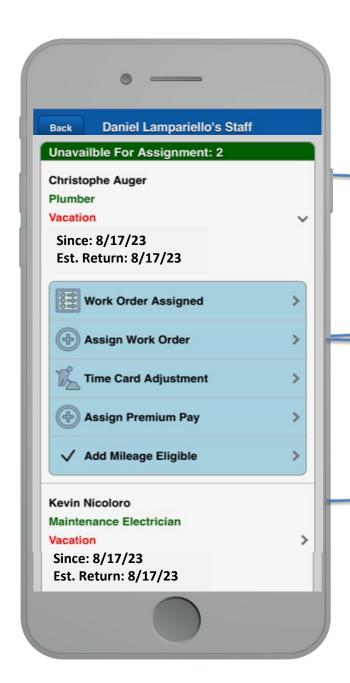




Daniel Lampariello ▼ Go To **Assignment Roster** Staff Availability Calendar Staff Availability Today 20 > Labs AMO 3> **Unavailble For Assignment** 19> Staff Time Cards Staff Time Off Requests 1 0> Staff With Low Assignments Live View 1 Supervisors 3> Supervisors I Back Up (II) Maintenance Supervisors

Supervisors and Managers





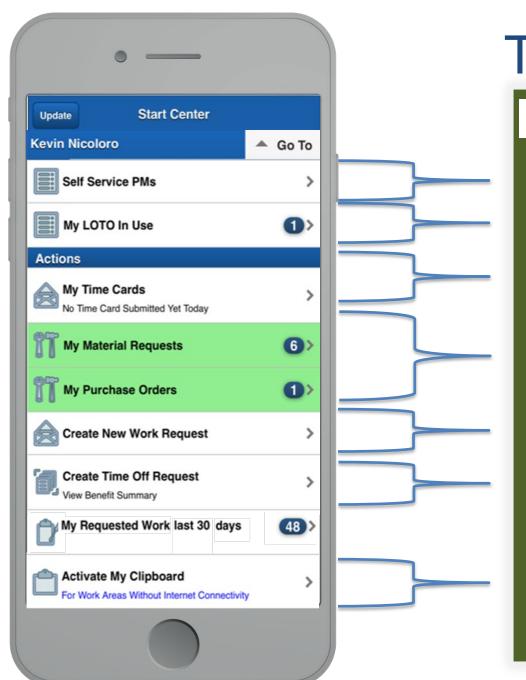
Roster Management

Staff Views and Calendars

Visual Cue; Green is All ... Red is 1 or More

Summary and Drilldown Details

Options to Reassign or Reprioritize



Technician Workforce

Extended Functionality

Self Service PM Work

Lock Out Tag Out Activation and Tracking

Time Card Creation and Management

Materials Request and Tracking (full cycle)

New Work Request Creation

Time Off Request Creation and Management

Full Off-Line Functionality

Return on Investment

Money

\$600K 8K HRS

Annual Operating Costs **Time**

Administrative Staff

Capacity

300%

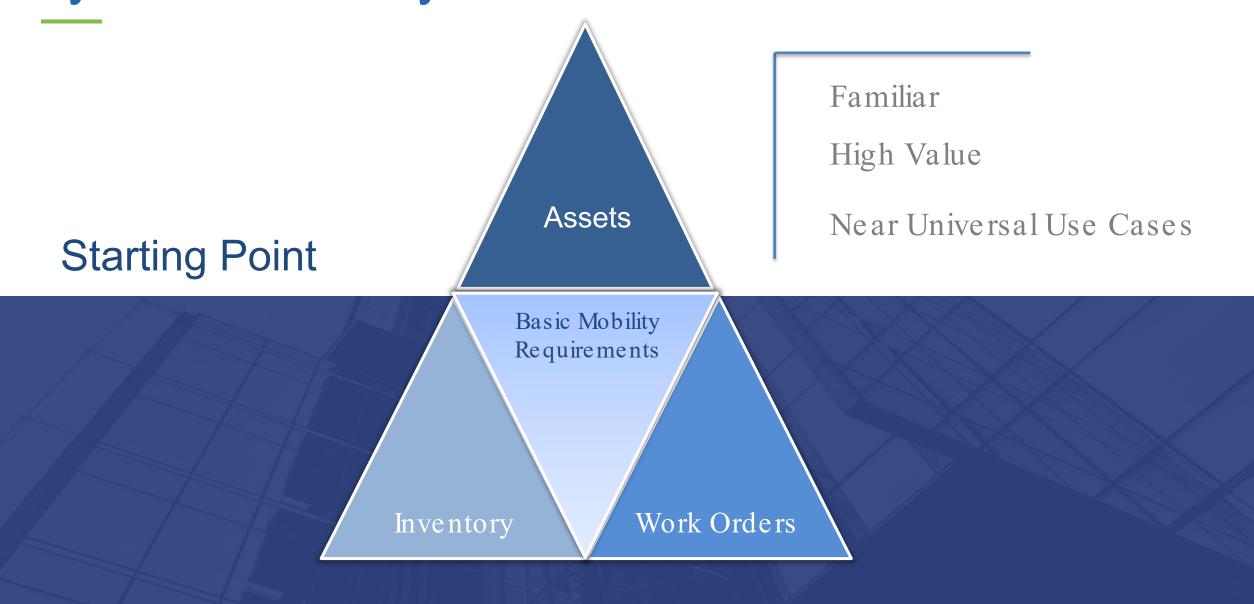
System Functionality



Continuous Improvement



Pyramid of Mobility



Extanding f Wobbietty

Unique Needs

Connected Experience

Sprimized Operations Starting Point

Internal
Staff

Mobile Constituencies

Customers End Users

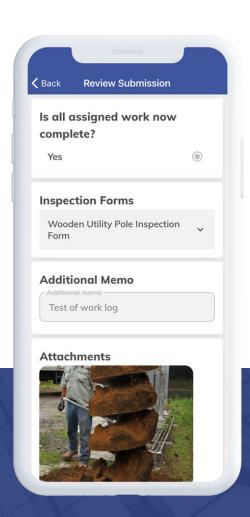
Contracted Staff

Field Service Vendors

Needs Functionality

Expectations Alignment
Continuous Awareness
Fully Leverage Maximo
EZMaxMobile for Vendors





Unique Challenges

Managed **Security**

No Access to Maximo or our Network

Can't Manage User Level Credentials

Push Notification

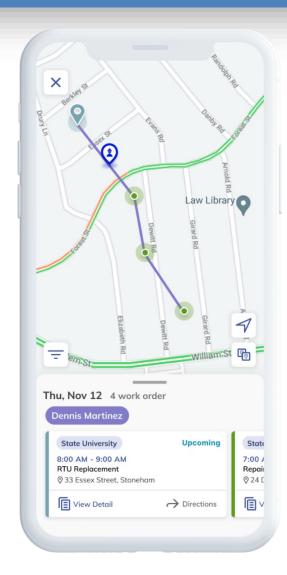


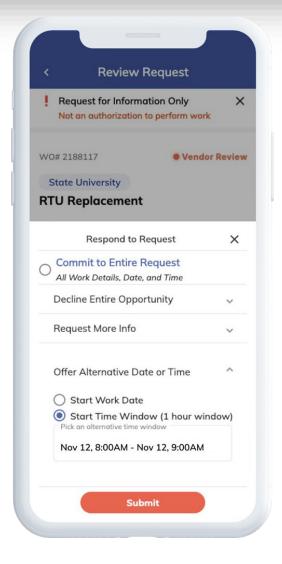
See it On a Map



Respond / Commit





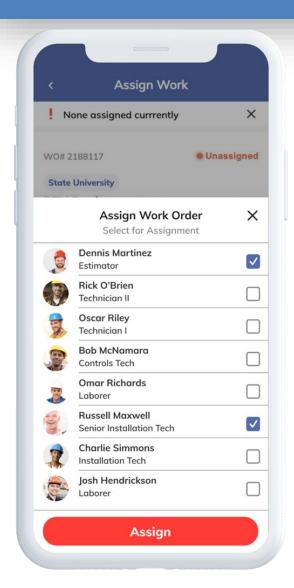


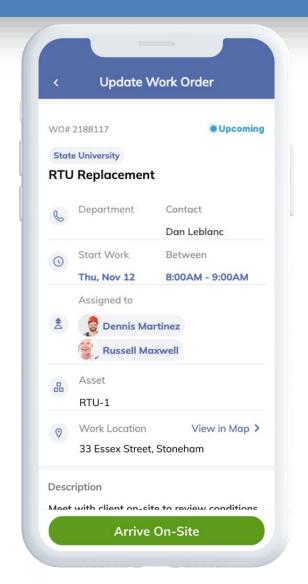
Assignment Tools

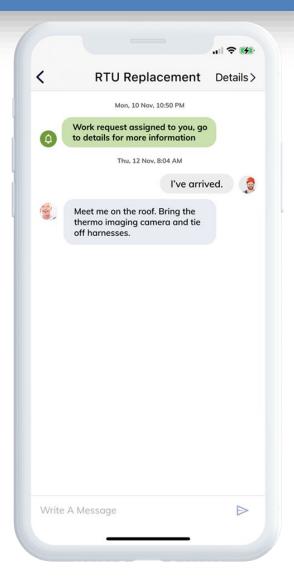


Arrive on Site





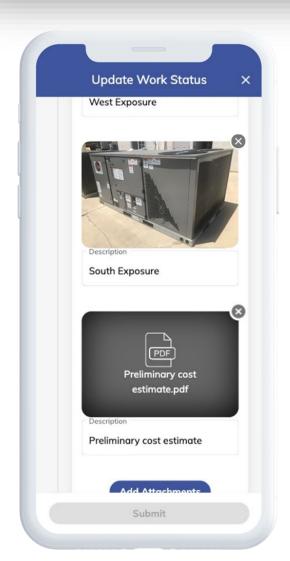


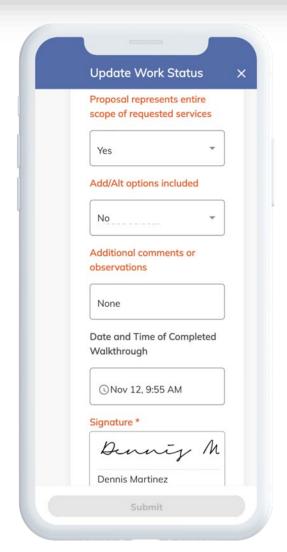


Attach Photos and Documents

Complete Maximo Inspection Forms



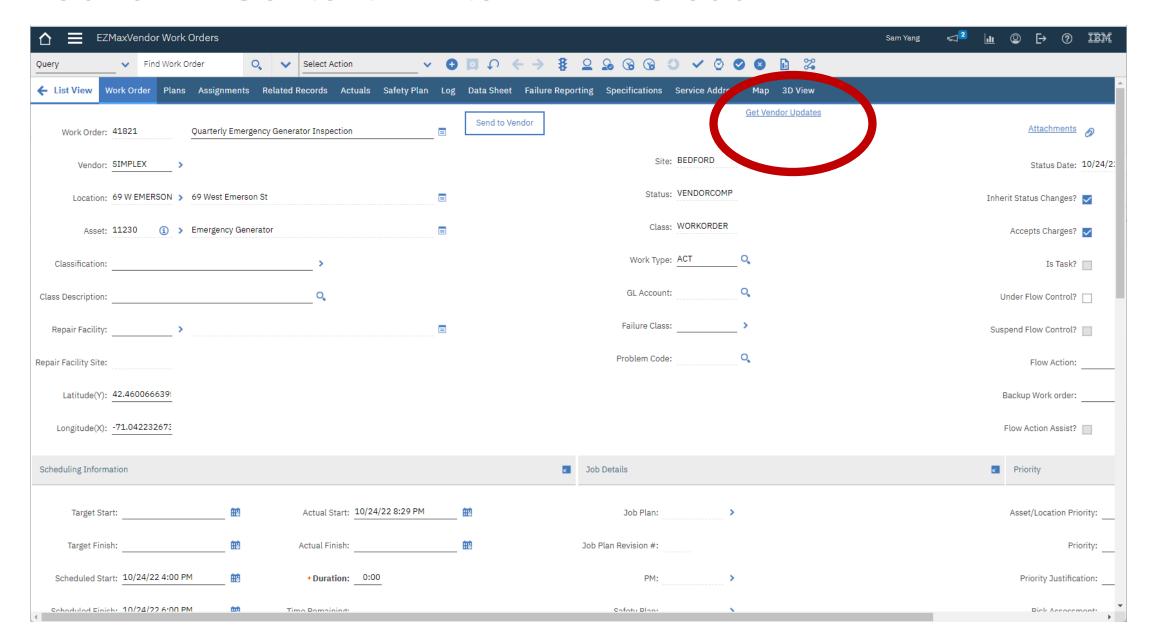




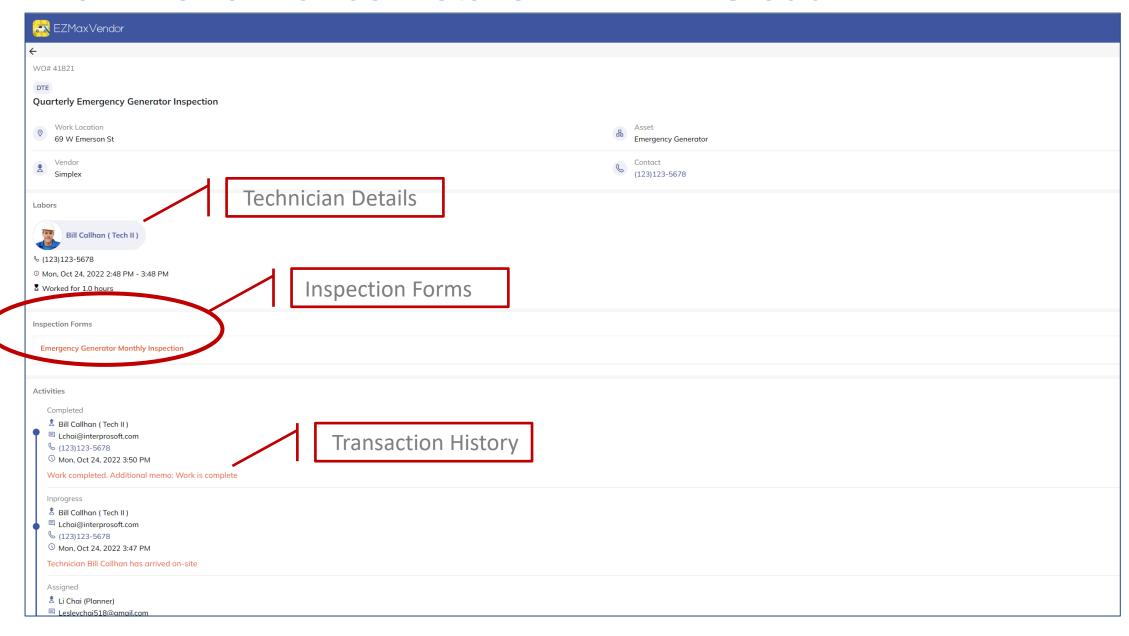




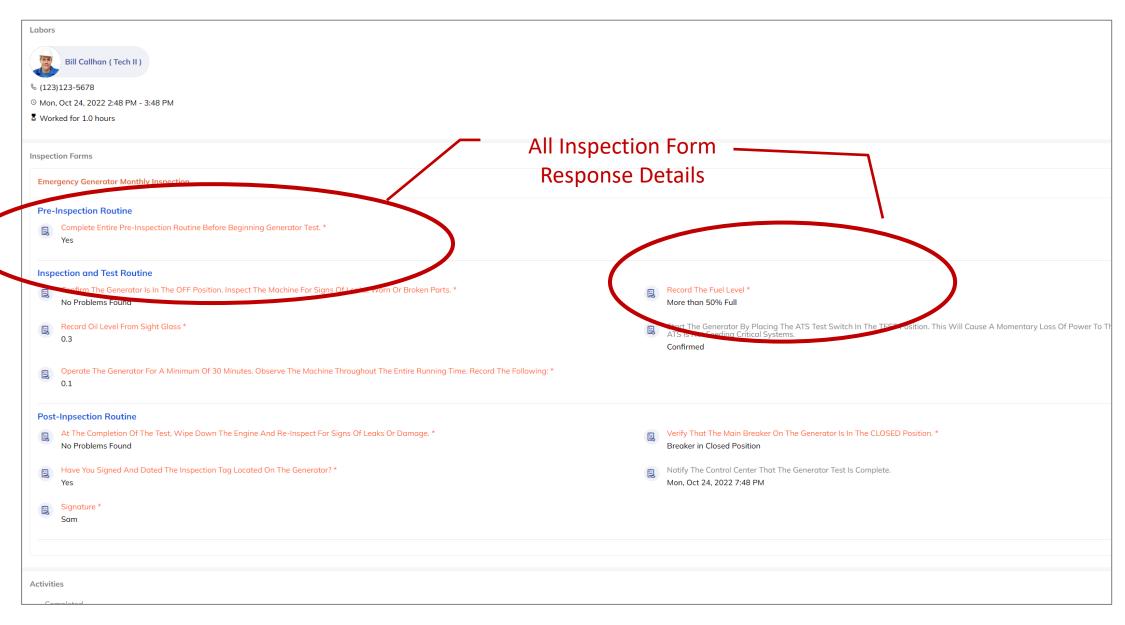
Launch in Context link to EZMV Cloud



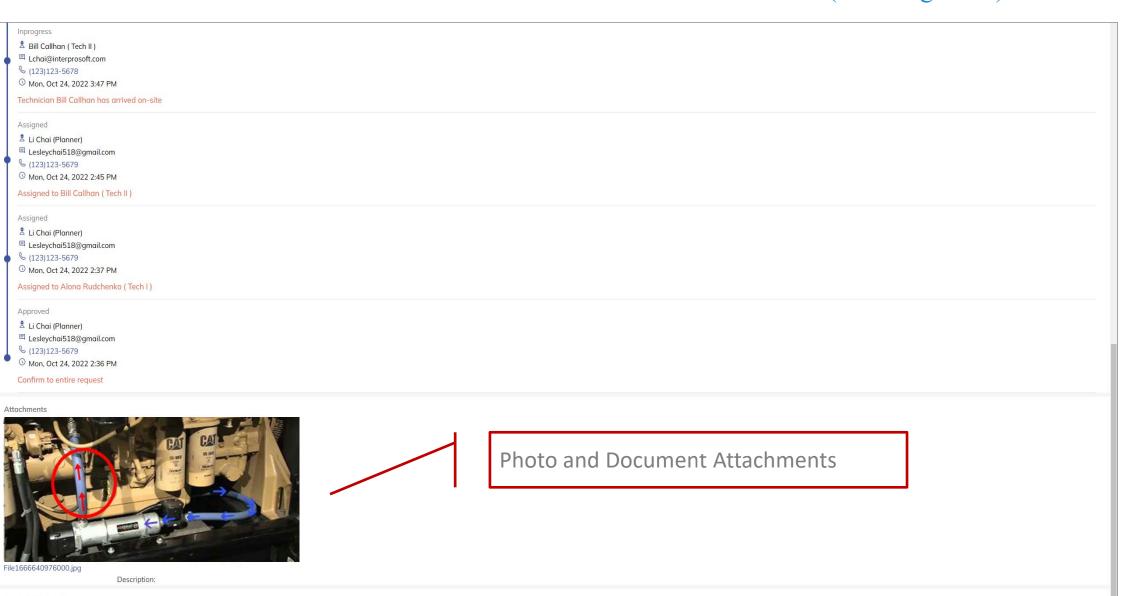
Work Performance Details in EZMV Cloud



Work Performance Details in EZMV Cloud (scrolling view)



Work Performance Details in EZMV Cloud (scrolling view)



Related Work Orders





Eliminated Off System Vendor Data



6 Months Medical School Only



Reduced

Phone and Email Confusion



Vendors Love It

Clarity of Expectations



2024

Wider Roll Out Planed

Project Take Aways



Set Clear Goals ... Use Plain Language

Talk to Everyone ...Find the FRICTION

Leakproof Work Processes are Key to Success

Leverage your Vendors and Partners

Focus on User Communities to drive Continuous Improvement





Contact



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