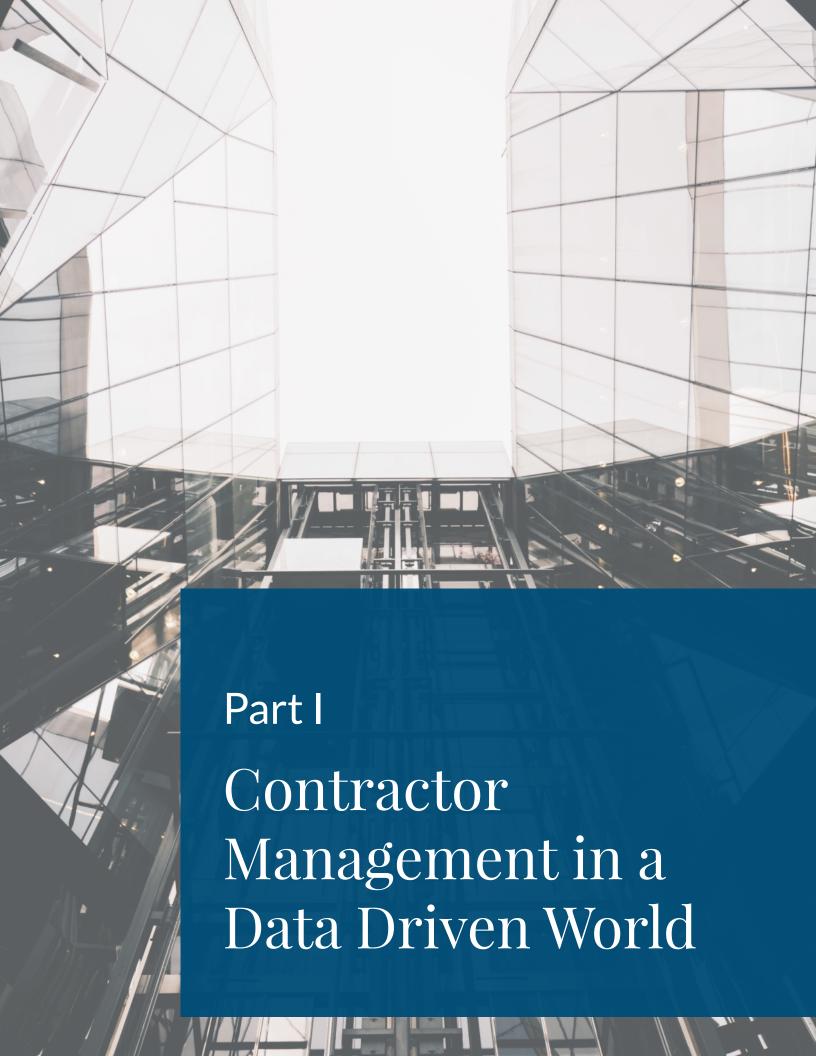


Table of Contents

- 3 | Contractor Management in a Data Driven World
 - 4 | Field Service Software is Different
 - 4 | Disconnected Software Leads to Silos of Data
 - 5 | Elevator Contractors are at an Inflection Point
- 6 | Microsoft Cloud Elevator Contractor Management Platform
 - 7 | Fast Infrastructure Implementation
 - 7 | Scalability
 - 8 | Always Up to Date
- 9 | Reporting and KPI's- Situational Awareness for Owners and Managers
 - 10 | SSRS Reports
 - 10 | Dynamics 365 Grid View
 - 11 | Dynamics 365 Chart View
 - 11 | Dynamics 365 Dashboard View
 - 12 | Microsoft Power BI
- 13 | Configurability Run Your Business Your Way
 - 14 | Dynamics 365 Custom Fields
 - 14 | Elevator Industry Configuration Examples
 - 14 | Field Requests
- 18 | Business Process Automation-Improve Yield on Payroll
 - 19 | Dynamics 365 Workflows Streamline Repetitive Tasks
- 21 | Mobile More Than Just Time Sheet Submission
 - 22 | Fully Customizable
 - 22 | Work Online and Offline

22 Elevator Service Task Configurator
22 Mobile Sales
22 Inspections
23 Example Features
23 Calendar
23 Interactive Maps
23 Configurable Service Activity Views
24 Service Tickets
25 Document Management- Eliminate the Paperwork
26 Document Templates
28 User Adoption - Leverage The Look and Feel of Microsoft Office
29 Tight Integration with Microsoft and Other Cloud Products
29 Navigation
30 Dashboards and Charts
30 Timeline Control
30 Business Process Flows
31 Reference Panel
31 Reflow
32 IT Security - Protected From Threats by the Microsoft Cloud
33 No Infrastructure to Maintain
33 Access Management
34 Encryption
34 Secure Networks
34 Key Logs
34 Malware Protection
34 Azure Security Center
35 Backups

35 | High Availability and Disaster Recovery



Contractor Management in a Data Driven World

For businesses today, access to actionable data insights is a necessity that just keeps growing. Elevator contractors must incorporate analytics into both their day-to-day operations and strategic vision to make better, faster decisions.

The contractor management software you choose to use, and your ability to access and act on data, will have transformational effects on growth, risk, and your company's valuation both today and tomorrow.

Elevator contractors using older technologies have big decisions to make, as their industry becomes even more data driven and connected. They must plan and implement technology solutions that stay current and competitive. The speed at which innovation and technology are moving makes it difficult to keep pace.

Field Service Software is Different

Field service software is more complex than software used by other industries because the office is disconnected from the work performed. Contractors need solutions that can schedule jobs accurately and efficiently and equip mechanics with the resources they need. At the same time, they require increasingly more sophisticated back office capabilities for customer management, compliance, and to deliver on staff expectations for their day-to-day work experience.

Disconnected Software Leads to Silos of Data

Many elevator contractors have, over time, ended up with a hodgepodge of software systems. This results in contractors operating with silos of data because their systems are not integrated. Examples include separate systems for accounting and finance, sales management, scheduling, contract administration, and billing. Some use Excel spreadsheets or paper to manage all the operational and administrative functions. This results in inefficiencies and wasted time trying to keep things organized and up to date.

Owners become completely dependant on the one or two people who know specific critical parts of the operation. Contractors in this predicament typically suffer from:

- Disconnected processes from estimating and quoting through to service delivery
- Time approval errors
- Billing and purchasing errors
- Duplicate data entry
- Lack of or stale financial insights into service, maintenance, and projects margins
- Multiple sources of customer and other business data
- Inability to access and consolidate customer information on a timely basis

Elevator Contractors are at an Inflection Point

Elevator contractor business owners continuously lament that they can't find downtime to implement new software, are worried about how all the change will affect staff, and that the cost is too expensive. They find it easier to kick the can down the road or put a technology Band-Aid on the problem.

Aberdeen Group's research has shown that the #1 pressure that top-performing companies face in the field service space is streamlining operations, and the old disconnected tech stack is standing in the way of realizing that. Today's processes are causing companies to leave money on the table, both in terms of inefficiencies and lost revenue. Organizations therefore have an obligation to their stakeholders, customers and their staff to re-evaluate their technology platform and the applications used.



Microsoft Cloud Elevator Contractor Management Platform

FIELDBOSS is built within the Microsoft Power Platform, which includes Dynamics 365 – a collection of business applications that empowers your elevator contractor business to transform and evolve.

This makes FIELDBOSS a scalable, flexible and configurable solution that forward-thinking contactors can use to support their profitability and growth strategy. This solution connects CRM (customer relationship management) for sales with job costed based service, maintenance and project tracking with ERP (enterprise resource planning) accounting capabilities layered with elevator industry specific functionality that work seamlessly as one connected system. The result is a powerful platform that will increase productivity, cut costs, streamline processes, meet customer needs, and position you to capture new opportunities.

The entire solution resides within Microsoft Azure, which is a cloud computing service created by Microsoft for building, testing, deploying, and managing applications and services through Microsoft-managed data centers. It provides software as a service (SaaS), and infrastructure as a service (IaaS) to natively support Microsoft-specific and third-party add on software such as FIELDBOSS. The result is a solution that delivers the following benefits to elevator contractors.

Fast Infrastructure Implementation

Like all SaaS platforms, with FIELDBOSS 365, you're consuming a service rather than installing a product. Without the need to install the software on individual machines, configuring and deploying FIELDBOSS is much faster than a traditional implementation.

The solution utilizes point-and-click setup wizards so that users can get up and running quickly. Of course, the more businesses want to modify the service, and the further away from the turnkey, "out of the cloud" iteration they move, the more complicated implementation will become. However, deploying in the cloud is still considerably simpler than rolling out software on-premise.

Scalability

Elevator contractor users can scale the size and scope of their FIELDBOSS solution up or down at any time. With on-premise software, facilitating business growth often means investment in new servers and processors to cope with increased demand. With cloud-based software, customers are paying for the ability to use the software, and not the computing power or space to run it, so adding or removing users, or even apps, is as simple as issuing a service request. FIELDBOSS is as large or as small as you need it to be and will flex to your current situation and requirements.

Always Up to Date

Users of FIELDBOSS cloud receive updates sooner, and more often, than other solutions, as Microsoft regularly releases platform updates. Cloud users have the choice of whether to accept these updates or not and can test them in their development sandbox instance to ensure compatibility before implementing them.

For the past few years, Microsoft's motto has been "cloud first, mobile first" and when it comes to business applications, Microsoft's focus is most definitely on Dynamics 365 in the cloud.

By getting on board with Dynamics 365 online, users put themselves in position to utilize the cutting-edge developments being worked on by the Dynamics 365 team. Cloud users will be at the front of the line when it comes to getting more from their CRM and ERP solutions, putting them at a competitive advantage in their contracting target markets.



Part 3 Reporting and KPI'sSituational Awareness for Owners and Managers Managers

Reporting and KPI's - Situational Awareness for Owners and Managers

Dynamics 365 includes a variety of out of the box tools, including configurable Views and Charts which can be brought together to create role specific dashboards that will empower staff to do their jobs more effectively.

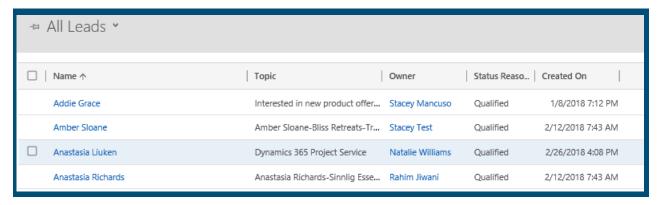
SSRS Reports

The system includes out of the box reports developed using SQL Server Reporting Services, (SSRS) that can be used to prepare and deliver a variety of interactive and printed reports.

	Summary:	Total						
		Hours Worked	Total Hours	Total Billed	Costs	Margin \$	Tech Revenue	Tech Margin
	Work Orders	261.43	1,048.18	\$580.00	\$101,495.10	(\$8,889.35)	\$144.66	(\$2,217.12)
	Projects	1,054.00	2,078.00	\$1,159,897.78	\$781,244.56	(\$225,726.78)	\$588,321.59	(\$114,492.79)
	Total	1,315.43	3,126.18	\$1,160,477.78	\$882,739.66	(\$234,616.13)	\$588,466.25	(\$116,709.92)
Work Orders B								
Work Orders R								
Technician		Hours Worked	Total Hours	Total Billed	Total	Margin \$	Tech Revenue	Tech Margin
recinician		nours worked	Total Hours	iotal billed	Costs	Margin \$	lecii kevenue	recti Margin
⊞ Corey Barss		63.43	229.43	\$0.00	\$22,327.60	(\$22,327.60)	\$0.00	(\$5,513.49)
⊞ David Alberto		53.25	230.00	\$360.00	\$22,287.50	(\$21,927.50)	\$83,35	(\$5,076.69)
⊞ Erez Yaron		24.00	144.00	\$0.00	\$14,400.00	(\$14,400.00)	\$0.00	\$2,700.00
		I		\$0.00	\$3,360.00	(\$3,360.00)	\$0.00	\$4,680.00
		16.00	48.00	\$0.00	\$3,300.00	(\$3,300.00)	20,00	\$4,000,00
	WO-01066-D9J1	16.00 8.00	48.00 24.00	\$0.00	\$1,680.00	(\$1,680.00)	\$0.00	
□ Jeff Winters	WO-01066-D9J1 WO-01066-D9J1							\$2,340.00 \$2,340.00

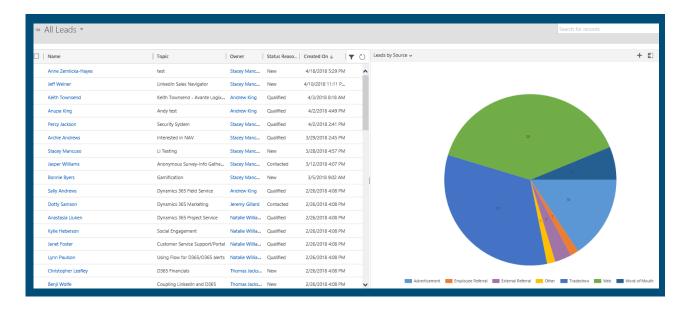
Dynamics 365 Grid View

Grid views are displays of a static data field within the underlying database. Users can self-select columns and filters to present list views of data.



Dynamics 365 Chart View

Users can add charts to their grid views the same way charts are created in Microsoft Excel.

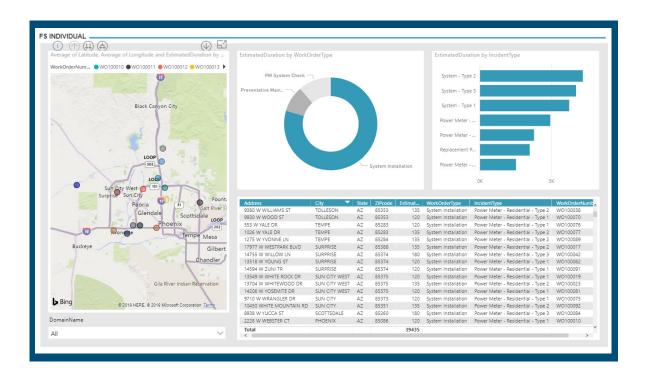


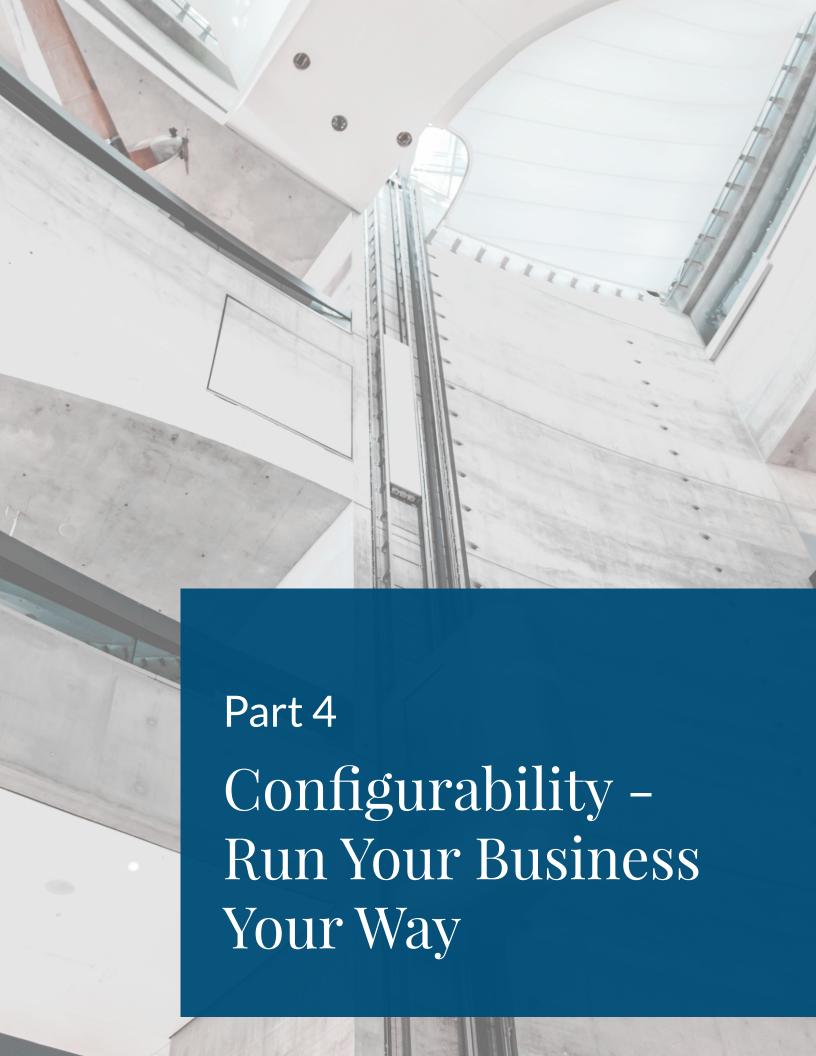
Dynamics 365 Dashboard View

Dashboards are collections of grid and chart views. Each dashboard component can be expanded for further analysis.



Microsoft PowerBI





Configurability- Run Your Business Your Way

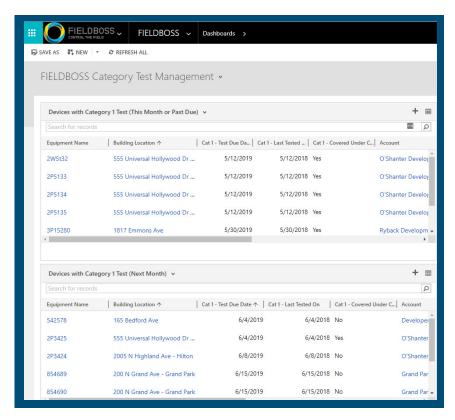
Dynamics 365 allows users to configure the system to accommodate specific fields and forms required in the elevator industry.

Dynamics 365 Custom Fields

With FIELDBOSS, fields define the individual data items that can be used to store data in an entity. Fields are sometimes called attributes by developers. You can use the customization tools in the solution explorer to edit system fields that allow customization, or to create, edit, or delete custom entities.

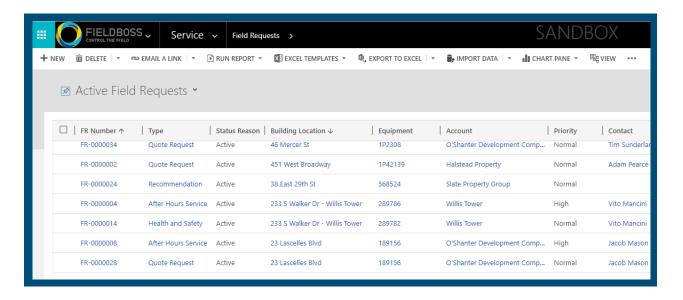
Elevator Industry Configuration Examples

Testing Management

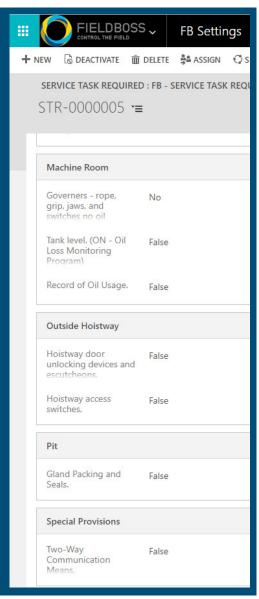


Field Requests

FIELDBOSS includes capabilities to monitor requests in real-time made by field staff to cut down on phone calls, paper work, and unnecessary office visits.

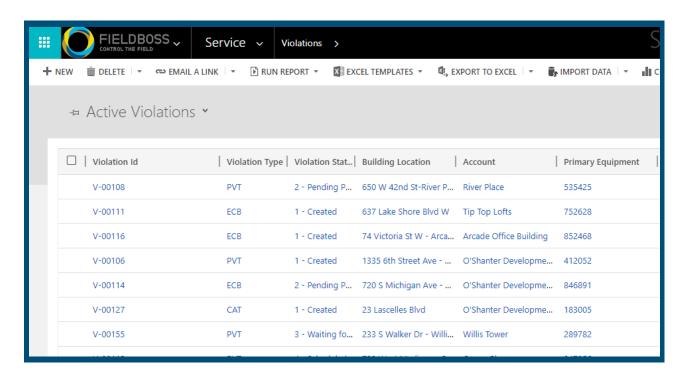


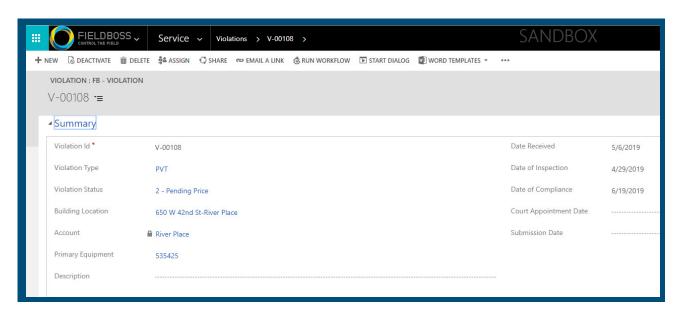
Maintenance Control Program

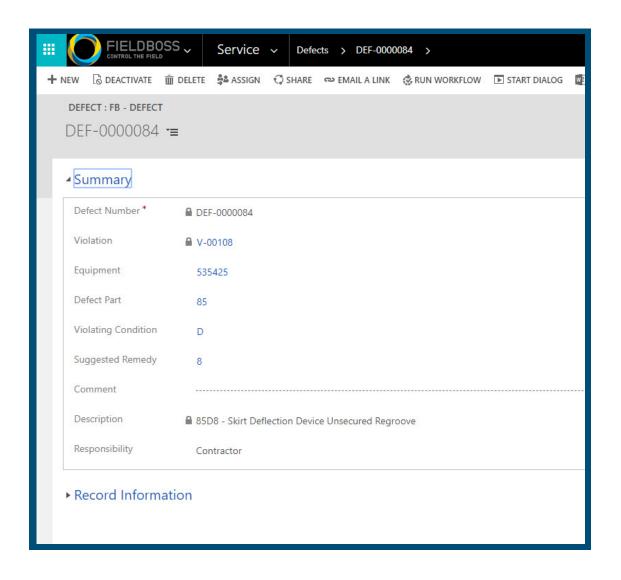


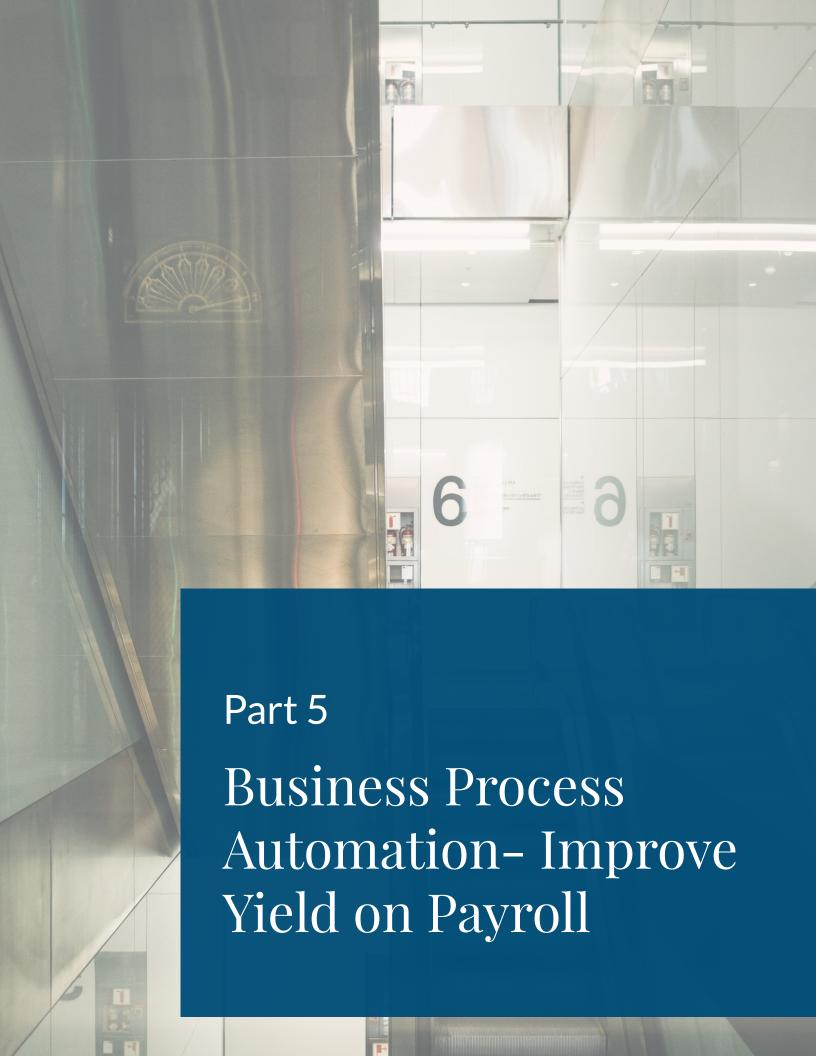
Violations Management

The configurability of the platform allows for elevator industry specific configurations such as violations management.





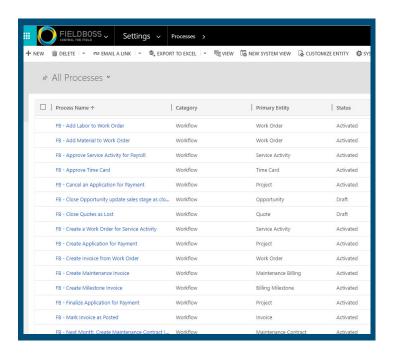


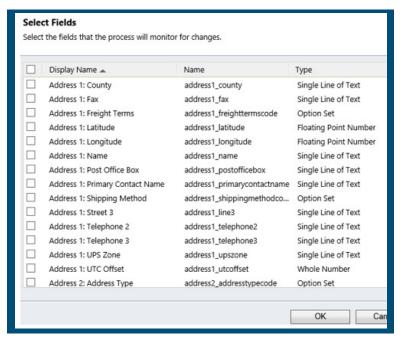


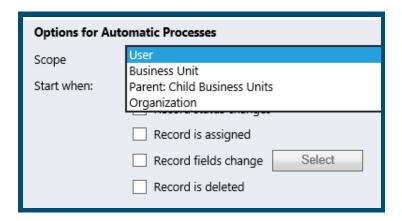
Business Process Automation - Improve Yield on Payroll

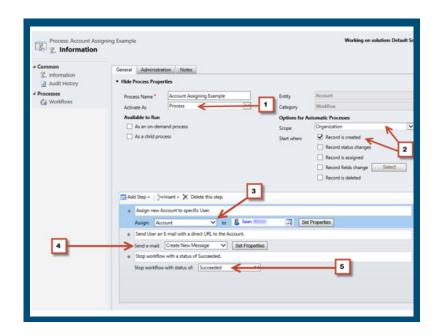
Dynamics 365 Workflows - Streamline Repetitive Tasks

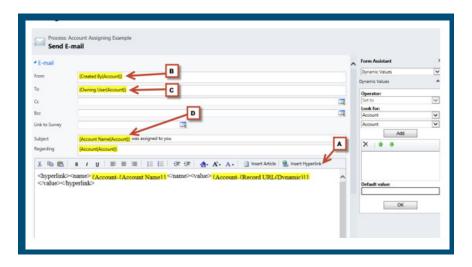
Microsoft Dynamics 365 workflows are tools that allow for simple or complex automation of tasks within Dynamics 365. These can make an incredible difference to an organization, and often act as an alternative to building custom software program plug-ins.

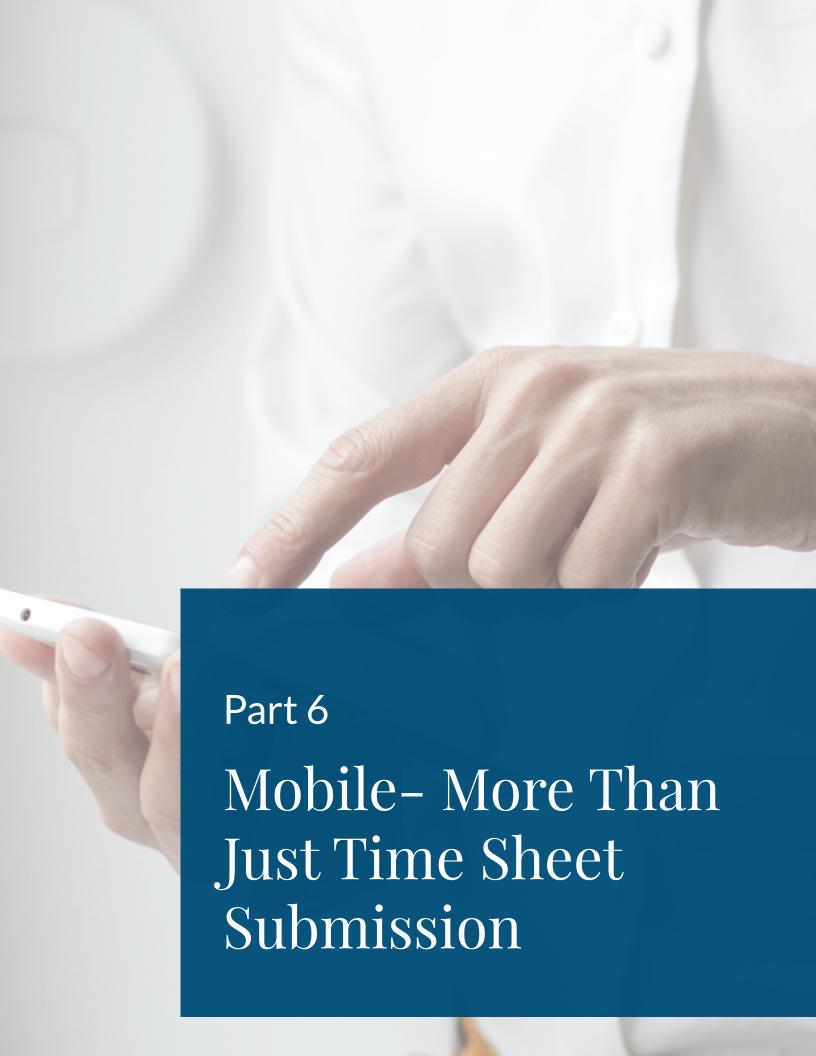












Mobile- More Than Just Time Sheet Submission

FIELDBOSS mobile gives sales and field staff the power of the Dynamics 365 platform in the palm of their hand. It has numerous capabilities to deliver data in near real time to operations and other back-office team members.

Fully Customizable

From custom entities to the look and feel of the user interface, you may customize every aspect of FIELDBOSS Mobile to make it truly yours and improve user acceptance and onboarding.



Work Online and Offline

FIELDBOSS Mobile works offline with a locally stored (and securely encrypted) database and automatically synchronizes the changes when you are connected again. Users can work online and modify the data on your server instantly.



Elevator Service Task Configurator

Give your team a step-by-step guide for repairs used on-site, and ensure the task gets done quickly and accurately. Notify your field workers instantly when you create a schedule for them. Log any photo documentation, edit pictures, and actually display what the problem is and what has been fixed.



Mobile Sales

FIELDBOSS sales gives your team the all-in-one mobile tool they have been looking for. FIELDBOSS Mobile Sales is packed with everything they might need when on the go: calendars, activities, presentations, communication tracking, direct order creation, electronic signatures and much more.



Inspections

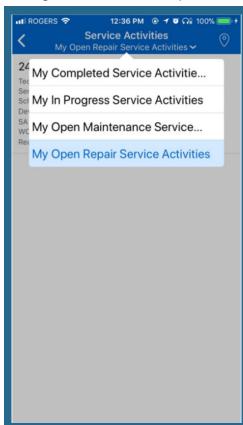
Create, assign, complete and evaluate field inspections with ease. Set up dynamic forms, unique questionnaires, checklists, and even to-do lists. Assign them to your staff in the field and give them the tools to complete inspections effectively. Management can analyze collected data in real-time.

Example Features

Calendar



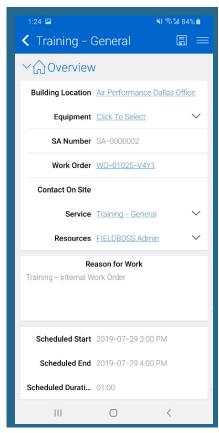
Configurable Service Activity Views



Interactive Maps

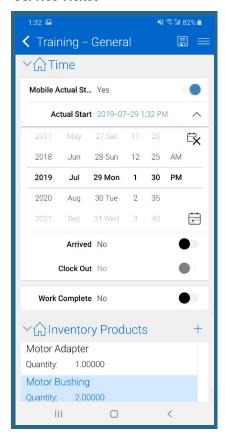


Service Ticket

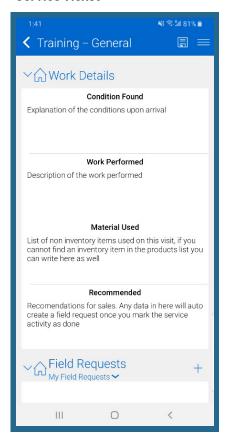


Example Features

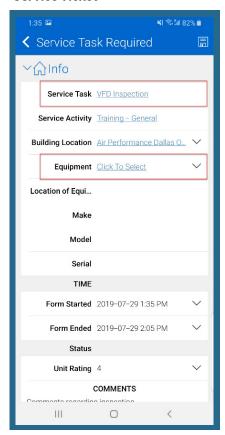
Service Ticket



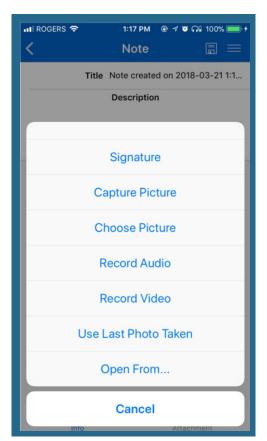
Service Ticket



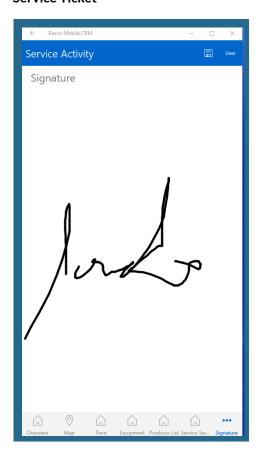
Service Ticket



Service Ticket



Service Ticket

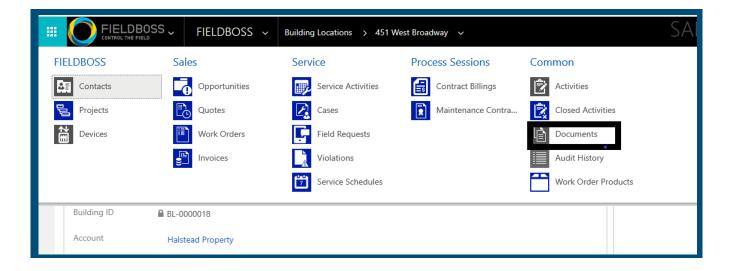




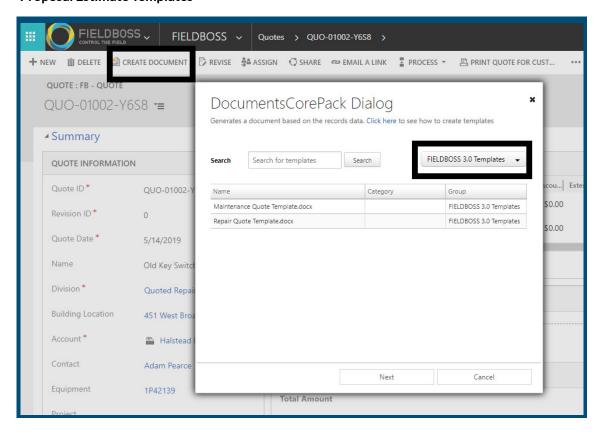
Part 7
Document
ManagementEliminate the
Paperwork

Document Management- Eliminate the Paperwork

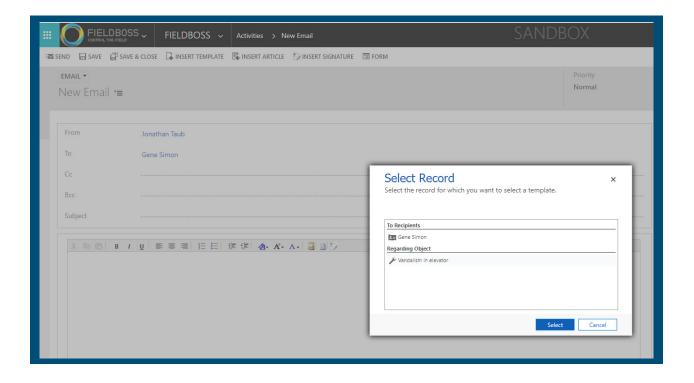
SharePoint document management is embedded into the Microsoft Dynamics 365 platform. SharePoint is a web-based collaborative platform that integrates with Dynamics 365 and Microsoft Office 365. This means there is no need to manage paper forms, manuals, instruction guides, or product catalogs and brochures. Field staff can obtain a completed service task form signed off digitally, on the device's screen.



Proposal Estimate Templates



Customer Service Email Response





User Adoption - Leverage the Look and Feel of Microsoft Office

With the release of Dynamics 365 for Customer Engagement apps version 9.0, FIELDBOSS uses a new user experience. The Unified Interface uses responsive web design principles to provide an optimal viewing and interaction experience for any screen size, device, or orientation.

The new Unified Interface brings all the rich experiences to any device that you are using. Whether you are on a browser, tablet, or phone, you will be able to consume similar experiences such as forms to update and view your records and interactive dashboards to view your information and drill down into it.

Tight Integration with Microsoft and Other Cloud Products

The cloud's interconnected nature allows FIELDBOSS to work closely with other cloud-based products, particularly those within Microsoft's productivity suite.

Not only does FIELDBOSS in the cloud integrate seamlessly with PowerBI, but it also cooperates with other popular services such as Office 365, SharePoint, and Outlook.

Being able to connect your Word, Excel, and email data to FIELDBOSS helps build a fuller picture of your business and increases productivity by breaking down barriers between the programs you use every day.

Dynamics 365's tight integration means you can track emails, view contact information and history, and create new records directly from Outlook, edit Excel and Word files in the Dynamics interface, and use OneNote to take meeting notes and attach them to FIELDBOSS records.



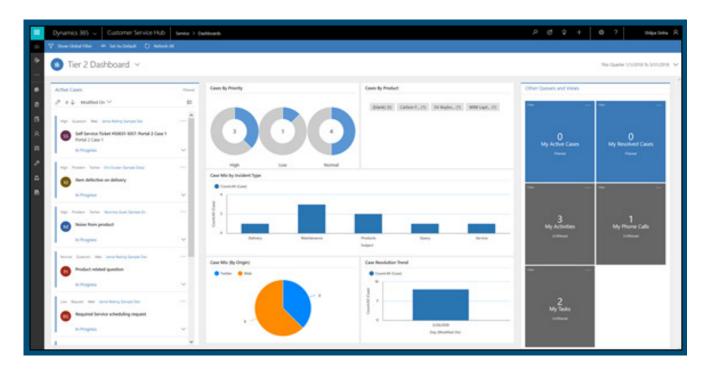
Navigation

The new menu options let you swiftly navigate the different apps in the system. It provides quick access to recently viewed records and pinned favorites.



Dashboards and Charts

You can access all the system and user dashboards from within your Unified Interface apps. The interactive dashboards are now available for all record types with richer interactive dashboard capabilities.



Timeline Control

The timeline view helps you collaborate with your team by tracking customer communication in a record on a single page in an easy to read view. You can see everything from posts and voice attachments, to emails and notes. It provides a quick way to see the entire communication thread.

Business Process Flows

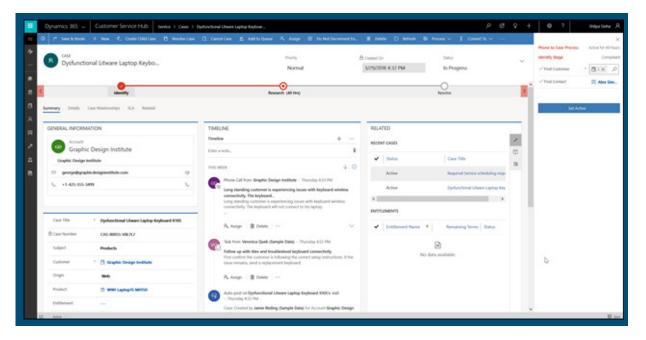
The business process flow has been improved by the docking mechanism. You can dock the business process stage on your screen to help you stay focused on the task at hand in your business process flow. This is especially useful when the stage of the process has complex steps to complete.

Reference Panel

Use the reference panel for apps built on Unified Interface like Dynamics 365 for Customer Engagement apps for Customer Service. The reference panel is a great way to get work done without clicking away from the screen you are on. You can look up other things like knowledge base articles within the context of the record you are viewing.

Reflow

The app also scales by reflowing the components on the screen. The responsive design adapts to your environment based on screen size, so the more available space that you have the more information is displayed.



Part 9
IT Security Protected From
Threats by the
Microsoft Cloud

IT Security – Protected from Threats by the Microsoft Cloud

All of Microsoft's cloud products, including cloud-based deployments of Dynamics 365, are hosted on the company's own cloud platform, Azure.

Azure is operated from Microsoft data centers located all over the world; which data center an organization's data is physically housed in will depend on where the organization is based, and the product it is using.

The company also operates the Microsoft Cyber Defense Operations Center: a cybersecurity and defense facility manned by security experts and data scientists that work to protect Microsoft's cloud infrastructure, detecting and responding to threats around the clock.

Microsoft invests over \$1B a year in ensuring the security of their users and their digital property. When it comes to Azure, there are many critical layers to its security model:

No Infrastructure to Maintain

Hosting your Dynamics 365 software in the cloud means you don't need to spend time and money managing your in-house servers and hardware. All you need to access your solution is an internet connection; there's nothing to install on individual machines.

With cloud deployment, you don't need to worry about hardware issues, or data loss or corruption, as the infrastructure supporting your software is all hosted off-site in a secure location.

Access Management

Azure is protected by Microsoft's Multi-Factor Authentication service, a two-step verification method of authentication that adds a second layer of security to user sign-ins and transactions. MFA requires two, or more, of the following verification methods to grant access to users:

- A password
- · A trusted device
- Biometric verification such as a fingerprint or a facial scan

Encryption

Azure utilizes industry-standard transport protocols to encrypt data in transit between users and datacenters, as well as within the datacenters themselves. Data at rest is encrypted by a wide range of capabilities up to AES-256, with users able to select the encryption solution that best fits their requirements.



Secure Networks

Azure's Virtual Network Gateway allows users to create encrypted IPSec tunnels, and segment instances within multiple deployments in one customer subscription by using private IPs and subnets that act as virtual firewalls.



Key Logs

Azure keys are secured with 256-bit AES encryption, and Microsoft's Security Vault uses FIPS 140-2 Level 2 validated HSMs that help simplify and automate tasks for SSL/TLS certificates.



Malware Protection

Integrated protection can be enabled through the Azure management portal to help protect your Dynamics 365 instance from malware, ransomware, and other online threats.



Azure Security Center

Azure Security Center is a user's one-stop-shop for everything they need to keep their Azure-hosted cloud solutions safe. The Security Center offers security management and advanced threat protection features, and from it, you can set security policies, manage your threats, and detect and respond to attacks. The Security Center also provides actionable recommendations for improving your defenses.



Backups

Backing up data should be second nature to all businesses, but it's one of those tasks that often gets pushed down the agenda. Cloud deployment gives users peace of mind by not only removing the need to safeguard their own servers, but also automatically backing up data, so no information will ever slip through the cracks.



High Availability and Disaster Recovery

With a financially backed, 99.9% uptime guarantee, you can also be safe in the knowledge that Microsoft has you covered should any kind of disaster recovery be necessary. In the event your services are interrupted, Dynamics 365 includes some of the most robust disaster recovery features on the business application market. Built to help organizations bounce back from both planned and unexpected service outages, Microsoft's recovery protocols include keeping a synchronized, duplicate copy of a company's data on a second server, allowing users to continue their operations with minimal disruption.



FIELDBOSS Elevator Contractor
Management is an end-to-end
solution built within Microsoft
Dynamics 365. FIELDBOSS is a
flexible and configurable platform
that allows you to work the way you
want to work, now and in the future.
Our focus is to help you get the most
out of your labour resources and
deliver the information you and your
staff need to run your business more
efficiently, profitably, and with lower
risk.



parent company, Rimrock
Corporation. Rimrock is a consulting
firm specializing in Microsoft
Dynamics 365, Azure and Dynamics
GP software solutions for the field
service industry. Established in 1989,
our staff are both Microsoft
technology specialists and elevator
industry experts drawing upon their
years of system implementation
experience to deliver quality
solutions and support to our clients.

Software Description

Company Description

Get in touch:

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