

# Dynaway EAM

## An Enterprise Asset Management System

The EAM/CMMS module from Dynaway is the de facto standard for Enterprise Asset Management in Microsoft Dynamics® 365 for Finance and Operations

# Features Overview

## The features that you find in Dynaway EAM

Dynaway EAM maintenance planning, execution, and analysis are fundamental components in improving maintenance processes and ultimately reducing costs and production down time.



### Advanced cost control

For all assets, the costs of labor, expenses, and spare parts are tracked and timestamped, giving a complete view of the Total Cost of Assets (TCA).



### Corrective maintenance

Corrective maintenance is carried out after failure detection and is aimed at restoring an asset to a condition in which it can perform its intended function.



### Condition-based maintenance

Condition-based maintenance (CBM) is performed after one or more indicators show that equipment is going to fail or that equipment performance is deteriorating.



### Preventive maintenance

Preventive Maintenance is supported through maintenance sequences, which can be calendar-based (date, time, day), counter-based (produced units, hours, miles) or condition-based.



### Predictive maintenance

Asset counters can be defined for individual asset types and then updated either manually or automatically through e.g. direct integration to PLCs.



### Mobile work order execution

The mobile EAM client is a comprehensive offline capable client that supports a very wide variety of processes related to work order execution.



### Planning

Work orders can be planned automatically by the Advanced Planning Engine in Dynaway EAM, optimizing the work order plan based on different parameters.



### Spare parts handling

All the standard inventory processes you find in Dynamics 365 for Finance and Operations are supported and utilized by the Dynaway EAM module.



### Integration

The EAM module is architecturally built directly into Dynamics 365 for Finance and Operations, which guarantees a seamless integration to all standard Dynamics 365 for Finance and Operations modules.

More information on features at:  
[www.dynaway.com/eam](http://www.dynaway.com/eam)

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# EAM - built in not bolted on!

## Dynaway EAM

### Sales

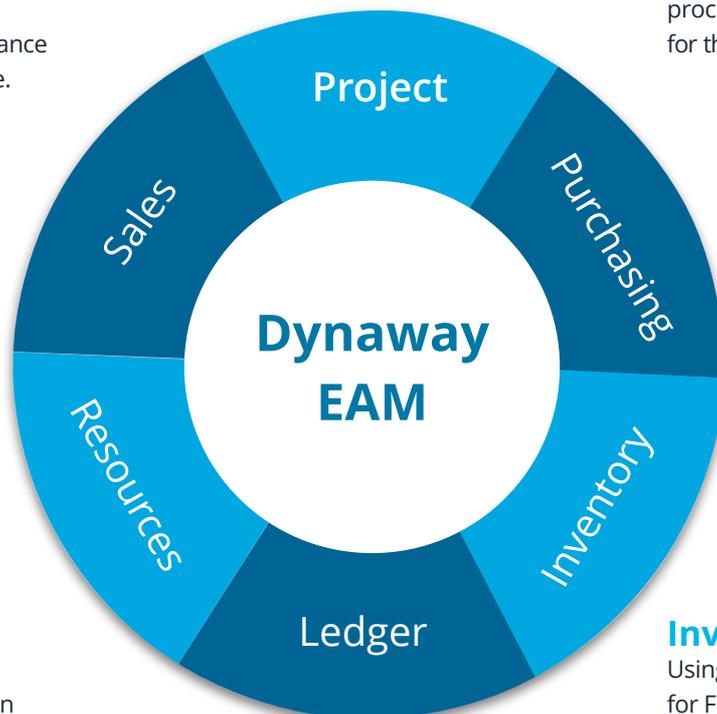
For companies maintaining manufactured items on behalf of their customers, the Dynaway EAM module allows auto creation of maintainable objects from a standard Dynamics 365 for Finance and Operations sales order line.

### Project

The standard Dynamics 365 for Finance and Operations projects module supports CAPEX projects, including CAPEX work orders. It also supports invoicing work orders when doing after sale service on customer equipment.

### Purchase

The Dynaway EAM module is tightly integrated with the standard Dynamics 365 for Finance and Operations purchasing module. Purchase requisitions can be automatically created based on work order requirements, and the entire procurement overview is available for the maintenance managers.



### Resources

In standard Dynamics 365 for Finance and Operations you can define the capacity of an employee through a resource calendar as well as the skills and skill levels of an employee. This information can be utilized by the EAM module when scheduling work orders.

### Ledger

Dynaway EAM is fully integrated with general ledger in standard Dynamics 365 for Finance and Operations. You can link financial dimensions to functional locations, which will effect all postings on work orders.

### Inventory

Using the standard Dynamics 365 for Finance and Operations inventory functionality you can manage your spare parts warehouses, and do full MRP on spare parts. Min/max levels can be defined for critical spare parts, you can forecast spare parts, check item availability across sites and warehouses, and reduce excess stock.

# Microsoft Power BI

## The New Dynamics 365 for Finance and Operations comes with Power BI out-of-the-box!

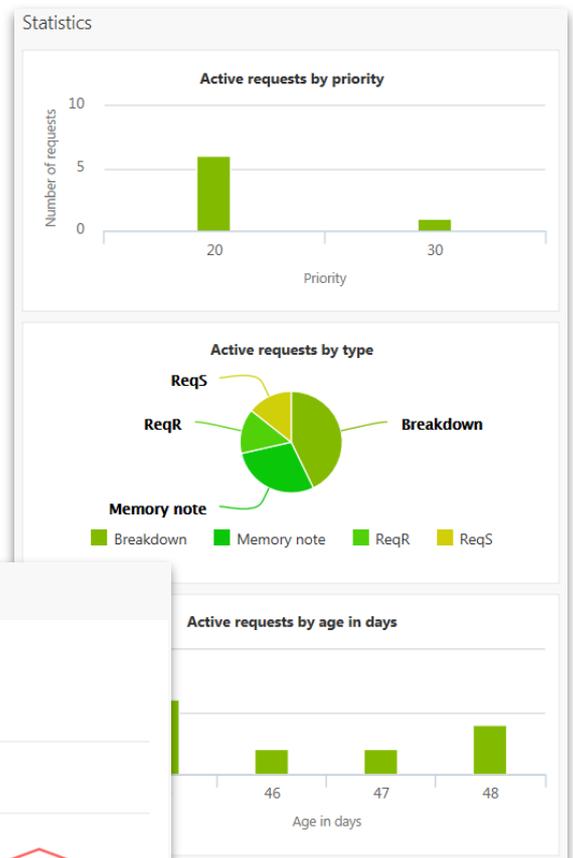
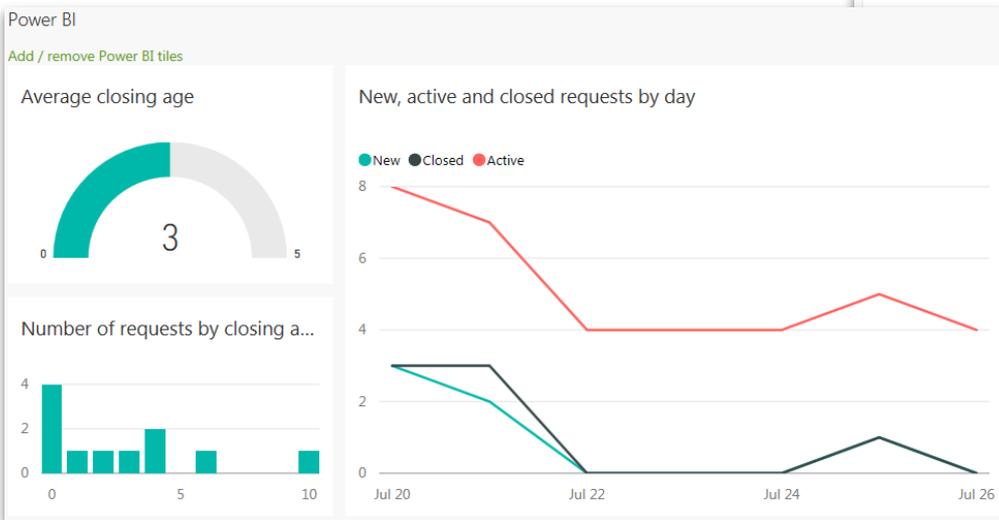
### Power BI Features

- Power BI allows you to build data warehouses on standard Dynamics 365 for Finance and Operations & EAM data
- Power BI has advanced drill down capabilities
- Reports can be exposed with direct links without requiring a Dynamics 365 for Finance and Operations login

### Industry Standard Metrics and KPIs

Our Power BI reporting package is continuously extended:

- Stock outs statistics
- Percentage of work orders kitted
- Required delivery dates met
- Contractor hours
- Overtime hours
- Preventive versus ad-hoc maintenance



# The Mobile Client

## Mobile EAM for the maintenance worker

### Asset browser

The asset browser contains a Google like search function that allows you to search assets by id, name, location and more. For the individual asset, a complete timeline of the asset, including registered service requests, faults and work orders is available.

### Work order creation for ad-hoc maintenance

Creating an ad-hoc work order from the mobile client is as easy as locating the asset and pushing the **create work order** button. The work order will immediately be scheduled to the proper worker.

### Graphical planning board

For more centralized planning, the graphical planning board allows drag-drop assignment of work orders to a selected set of workers. The planning board allows extremely flexible filtering of work orders and workers.

### Service requests

Through the mobile client, service requests can be issued and linked either to locations or specific assets. Photos can easily be attached to the request using the mobile camera.

### Work order Execution

The maintenance worker can easily execute work order checklists, including capturing measurements as part of the checklist execution. Asset counters and time spent on the work order can also be registered.

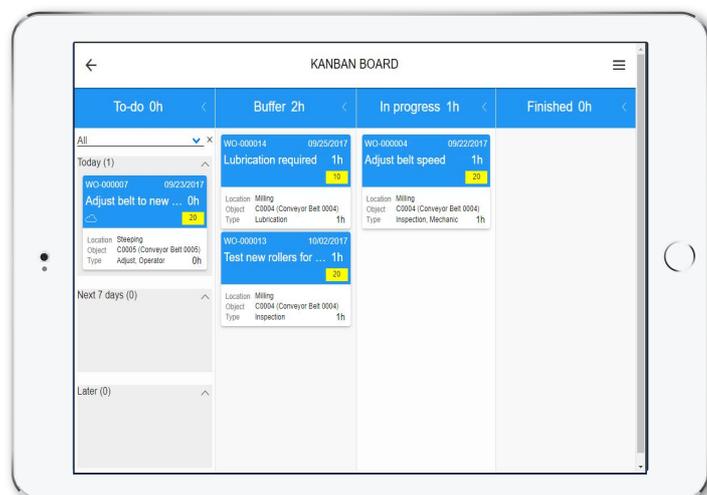
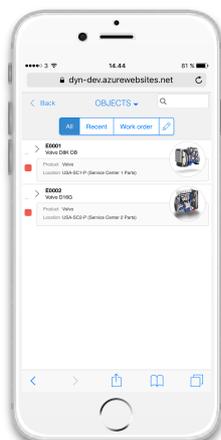
### Material consumption on work orders

Spare parts and other material can be consumed from the mobile device, whether forecasted on the work order or not.

### Kanban board

The Kanban board allows for easy updates to work order stages, the maintenance worker drags work orders from the global pool of pending work orders through the Buffer, In progress, and Finished stages.

\* The offline capable mobile client can run on PCs, Windows Mobile, Android devices, and iOS devices like iPhone and iPads.



# Benefits

## Cost effective maintenance processes

Maintenance management is all about optimizing maintenance processes to reduce downtime and overall maintenance costs.

Today, production sites are heavily dependent on machinery running continuously on the factory floor. That means that machine malfunctions, interruptions, and production stops increase production costs and have a crucial impact on a company's market position and competitive edge.

**With the EAM module from Dynaway we give you the power to focus on what is at the heart of Enterprise Asset Management:**

- Maintenance Management
- Work Order Planning
- Spare Parts Handling
- Advanced Cost Control

With Dynaway Enterprise Asset Management (EAM), you are in a position to efficiently and continuously plan maintenance of your production equipment. You reduce the risks of machine downtime and unplanned production stops, resulting in improved production performance.

**Cost effective maintenance processes that will continuously lower equipment downtime:**

- 50% reduction in overtime, labor and contractor costs
- 20% reduction in production downtime
- 5% reduction in new equipment costs
- 50% increased warranty costs
- 50% reduced purchase costs

# About

## Excellent Solutions for Dynamics 365 for Finance and Operations

Dynaway is globally recognized as a leading provider of Enterprise Asset Management solutions for Microsoft Dynamics® 365 for Finance and Operations

At Dynaway we focus exclusively on Enterprise Asset Management and Manufacturing Execution built for the Microsoft Dynamics 365 for Finance and Operations platform and have done so for more than 15 years! Our software is used worldwide by corporations from various industries.

The Dynaway EAM solution is the most widely used Enterprise Asset Management (EAM) solution globally for Dynamics 365 for Finance and Operations. It is used in a wide variety of industries and implemented by Dynaway specialists directly as well as by leading Dynamics 365 partners all over the world.

At Dynaway we operate through Dynamics 365 implementation partners all over the world. Our partners are capable of assisting in the analysis, the implementation, and the setup of the Dynaway EAM modules.

Dynaway is also in direct contact with end-customers, providing premier consultants working exclusively with implementing our products. Our consultants have decades of experience in their particular domain!

Dynaway is part of the EG corporation with more than 1,500 employees and a strong focus on manufacturing customers. EG is one of the largest Dynamics 365 partners in the world.

### Contacts



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# Testimonials

## Luck Stone

Dynaway EAM puts the power back where it belongs  
– with Luck Stone users

### THE CUSTOMER

#### Luck Stone – three generations in stone

Headquartered in Richmond, Virginia, Luck Stone is one of the largest family-owned and operated producers of crushed stone, sand and gravel in the United States.

### THE CHALLENGE

#### Lack of system adoption leads to poor visibility

Maintaining equipment is business critical for Luck Stone, but their previous Enterprise Asset Management system was so difficult to use that people simply avoided it. The result was a mix of manual work-arounds and information silos, costing them time and making vital maintenance-cost information unreliable.

### THE SOLUTION

#### Implementation of Dynaway Enterprise Asset Management (EAM)

Dynaway EAM and Dynaway EAM Mobile have been integrated with Luck Stone's existing Microsoft Dynamics AX ERP solution, making it easy to use, share and analyze maintenance-cost information.

### THE RESULTS

#### Dramatic increase in efficiency and greater visibility into critical maintenance information

- Dynaway Mobile solution and training reduced tasks that previously took days, to just a few hours
- Easy to access and work with maintenance cost information
- Mobile solution halved time required for safety and maintenance inspection

*"All in all, it helps us better understand how to keep maintenance optimized, and that helps us serve our customers quicker and more effectively."*

Andy Jordan, procurement manager,  
Luck Stone

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# Testimonials

## Daka Biodiesel

Dynaway EAM ensures the future of biodiesel with complete maintenance overview of the complex production machinery, resulting in less downtime and a better bottom line.

### THE CUSTOMER

#### Daka Biodiesel

Daka Biodiesel is one of the few companies in the world that has a processing plant sophisticated enough to produce biodiesel from animal byproducts. The outbreak of mad cow disease in the 1990s and EU requirements for biodiesel paved the way for Daka Biodiesel's success.

### THE CHALLENGE

**"Even a single day of downtime is very expensive for us"**

Extracting biodiesel from animal byproducts is a unique process mastered by just a handful of companies worldwide. The sophisticated plant, reminiscent of a dairy in appearance, is extremely expensive. It was therefore natural for the company to ensure consistent and thorough maintenance of the entire production apparatus.

### THE SOLUTION

#### Implementation of Dynaway Enterprise Asset Management (EAM)

The solution gives Daka Biodiesel complete maintenance overview of its complex production machinery, resulting in less downtime and a better bottom line. Everything integrates with the inventory system and Microsoft Dynamics AX.

### THE RESULTS

**The solution gathers information for us, so we are getting better and better at maintaining our production facilities.**

"We get information about which repairs we have made on individual pumps, and even though we have only been operating for a few years, we are building a knowledge base that enables us to predict what the equipment needs to perform optimally." Eric Mansig is convinced that Dynaway EAM means money on the bottom line." - Eric Mansig

*"The solution also allows us to pool maintenance tasks so we minimize the number of long production stops. It's like giving the entire plant an extra lube job"*

Eric Mansig, factory manager,  
Daka Biodiesel

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# Testimonials

## Rich Products

Dynaway EAM helps leading food supplier dramatically improve maintenance efficiency

### THE CUSTOMER

#### Rich Products – a world leader in food products

With 3.3 billion US dollars in annual sales, over 9,200 associates worldwide, and more than 2,000 products, Rich Products Corporation (headquartered in Buffalo New York) is one of the world's largest family-owned producers of quality food products.

### THE CHALLENGE

#### Manual logging of maintenance information was imprecise and inefficient

Maintenance of machinery used to produce Rich Food Products in Asia was being recorded manually causing inefficiencies, resulting in costly unwanted downtime.

### THE SOLUTION

#### Implementation of Dynaway Enterprise Asset Management (EAM)

Dynaway EAM and the Dynaway Mobile EAM Client have been integrated with Rich Products' existing Microsoft Dynamics® AX solution in Asian plants.

### THE RESULTS

#### Significant increase in efficiency, and elimination of unnecessary downtime

- Time spent on locating spare parts reduced from hours (in the most extreme cases) to just minutes
- 50% decrease in time used on daily conditional routine checks
- Unnecessary downtime eliminated with improved overview and detailed information
- More accurate data has improved performance

*"The Dynaway solution has helped us achieve the three goals that every maintenance and engineering department strives for: accountability, efficiency and accuracy."*

James Huang, Regional IS Director for Asia Pacific,  
Rich Products Corporation

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# Testimonials

## Nuplex

### Global manufacturer goes live on Dynaway EAM

#### THE CUSTOMER

##### Nuplex - a global manufacturer of polymer resins

Within process industries preventive maintenance is a key discipline. Any stop or irregularity in the production lines can be extremely costly, both due to the high volume passing through the lines but also due to the cost of the machinery. At Nuplex, preventive maintenance is also of high importance at their operational sites, spread over 11 countries and four continents!

#### THE CHALLENGE

##### Ambitious plan - replace the existing SAP PM module & to complete the implementation in 6 months

Specialists from Dynaway and Nuplex validated that Dynaway EAM could replace the existing SAP PM module and also defined an ambitious plan on how to complete an implementation for the Nuplex facility in Bitterfeld, Germany in 6 months.

#### THE SOLUTION

##### Implementation of Dynaway Enterprise Asset Management (EAM)

The implementation plan was indeed realized in 6 months. Quite an accomplishment with the end result not only being an implementation at Nuplex Bitterfeld but also an exact template for implementing computerized maintenance management at the remaining Nuplex facilities in Europe, Asia and Australia.

#### THE RESULTS

##### Next step - enhancing reporting and implementing cost control

Seen from a cooperate perspective, Nuplex has a committed to global Dynamics AX installation serving the national operational sites. Including computerized maintenance management to this global installation adds significantly to the level of top-floor visibility for Nuplex.

*"With an exemplary effort by the specialists from Dynaway and some very determined and structured Nuplex representatives the transition from SAP PM to Dynaway EAM went according to plan and budget!"*

Stuart Barry, General Director,  
Nuplex

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