

1.2 Introduction to Product Lifecycle Management Software

For healthy food businesses

The AHFES training for Product Lifecycle Management is divided across 3 modules

Module 1 “A Introduction to Product lifecycle Management principles”

This is Module 1.2 Provides a more comprehensive overview of “The PLM software options.”

Module 2 Provides an overview of “Applying PLM to healthy food”

All the training modules can be found on the Training section of the AHFES website

<https://www.ahfesproject.com/training/>

Module Content

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Overview of types of PLM

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Specialist – Modular - Dedicated Cloud
Monday.com – Odoo – Ahaa
Key Points & Benefits

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Cloud Providers

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Specialists

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Computer-aided design (CAD)
Modular

Product lifecycle management software comes in almost infinite flavours and combinations

It can be hard to know where to start. So here's a quick rundown to help you out

Here are the three types of PLM, and the pros and cons of each. By the end you'll know:

- What separates different PLM vendors
- Where each type of PLM excels
- The cons of each type of PLM.

Key points to consider when sourcing a PLM software

When selecting the best PLM software for any business make sure that it is easy to navigate, and the users will quickly learn how to use it

Another feature to consider is the ability to integrate easily with other systems that are being used by the company

Installation and implementation must not take a lot of time and must quickly integrate with their systems

Benefits of a Centralised Product Lifecycle Management software

Keeps all the stakeholders informed on all the details of designing and manufacturing the products

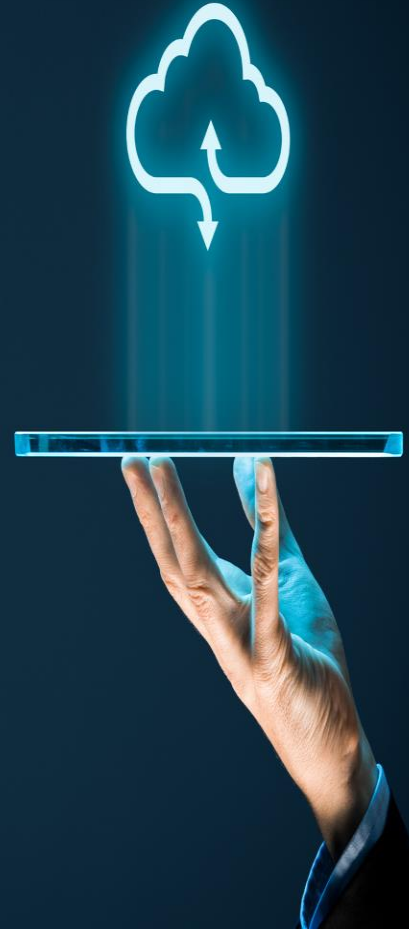
Facilitates a systematic approach and a central data warehouse of all the information

Helps the users keep track of information such as materials and quantities required

Provides strong reporting capabilities and analytics

Enables the ability to organise and communicate across businesses

Dedicated cloud PLM providers



Dedicated cloud PLM providers

These types of PLM solutions are the latest addition to the PLM landscape

Dedicated cloud PLM, because of the low implementation cost pricing structure makes this type of PLM the choice for small and medium-sized businesses

While its effortless scalability means it's a tantalising prospect for enterprise organisations too

Cloud PLM is the solution of choice for small and medium-sized businesses

Pros of dedicated cloud PLM providers

Software as a service pricing and no hardware expenses keep the price low and mean the capital costs are negligible

The underlying cloud architecture promotes configuration over customization

Rapid product iteration and constant deployment mean you're always working with the latest and greatest

As a rule, SaaS, cloud-based products tend to integrate better with other cloud solutions, giving organisations flexibility in what tools they use

Cons of dedicated cloud PLM providers

"cloud" is a loaded term

A recent challenge we've noticed is confusion over what a cloud PLM actually is.

There are now two types of PLM on the cloud:

Cloud PLM that's a SaaS-based, multi-tenant architecture committed to constant deployment, improvement, and scalability.

Cloud PLM that is deployed via the cloud but the product itself is essentially an on-premise solution, just hosted in a cloud datacenter.

Concerns around security

Despite advances in cloud technology and increasing adoption in other software areas i.e. Salesforce on the cloud, etc,

Many in the manufacturing world remain on the fence about cloud security

In a recent webinar, CIMdata reviewed a survey completed in early 2018 that found that more than 40% of respondents worried about PLM on the cloud for security reasons

– despite having other cloud-based core business software products





monday.com Software

☆☆☆☆☆ No reviews yet

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Product Overview

Reviews

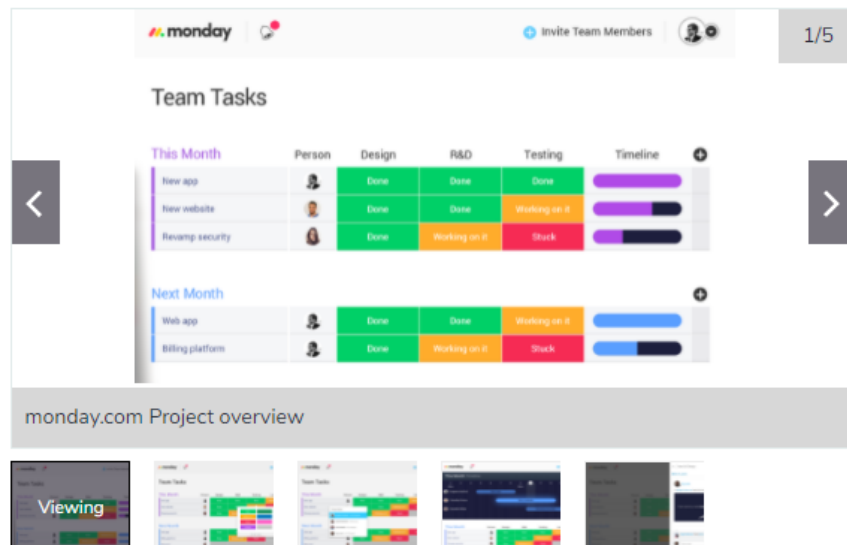
About monday.com

monday.com, an award-winning collaboration and project management platform, helps teams plan together efficiently and execute complex projects to deliver results on time.

monday.com team management and task management tool allows for ease of use and flexibility to onboard any team and manage multiple projects across the entire team. With a variety of productivity features such as time-tracking, an integrated kanban board, automated notifications, workflow automation, dependencies, multiple views and calendar integration, teams can achieve better and faster results for every project milestone.

monday.com offers a collaborative environment that allows project members to communicate, create a knowledge base and share files, images, designs, and other spec...

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Supported Operating System(s):



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monday.com team management and task management tool allows for ease of use and flexibility to onboard any team and manage multiple projects across the entire team.

monday.com is a Work Operating System (Work OS) that powers teams to run projects and workflows with confidence.

Utube Link to Promo video for Monday.com

<https://www.youtube.com/watch?v=ObkWrfukomA>



monday



A unique value proposition

**Everything you need with a top-notch user experience.
Our family of apps work seamlessly together - giving you the ability
to automate and track everything you do - centralized, online,
and accessible from anywhere with any device.**

**The open-source development model of Odoo has allowed us to
leverage thousands of developers and business experts to build
the world's largest ecosystem of fully integrated business apps.**


Between the Odoo apps and the tens of thousands of Community apps, there is something
to help address all of your business needs in a single, cost-effective and modular
solution: no more work to get different technology cooperating



Product Lifecycle Management

for modern companies.





















Start Now - It's Free



PLM Dashboard Changes Master Data Reporting Configuration 18 24 Administrator

PLM Dashboard / Engineering Change Orders Search...

CREATE **IMPORT** Filters Group By Favorites Grid List Calendar Bar Line

New	Engineering	Re-tool Machinery	Effective
<div>ECO0007 [E-COM07] iPad Mini ☆  </div>	<div>ECO0009 Routing: Assembly Line 1 ★  </div>	<div>ECO0008 [E-COM09] iMac BoM: [E-COM09] iMac ☆  </div>	<div>ECO0014 [E-COM09] iMac BoM: [E-COM09] iMac Routing: Assembly Line 1 ★  </div>
<div>ECO0010 [E-COM05] Bose Mini Bluetooth Speaker ★  </div>	<div>ECO0013 [C-Case] Computer Case ☆  </div>	<div>ECO0012 [E-COM08] Apple In-Ear Headphones BoM: [E-COM08] Apple In-Ear Headphones ★  </div>	<div>ECO0015 iPad Retina Display ☆  </div>
<div>ECO0011 Routing: Custom Assembly Line ☆  </div>	<div>ECO0018 [E-COM07] iPad Mini ☆  </div>	<div>ECO0019</div>	

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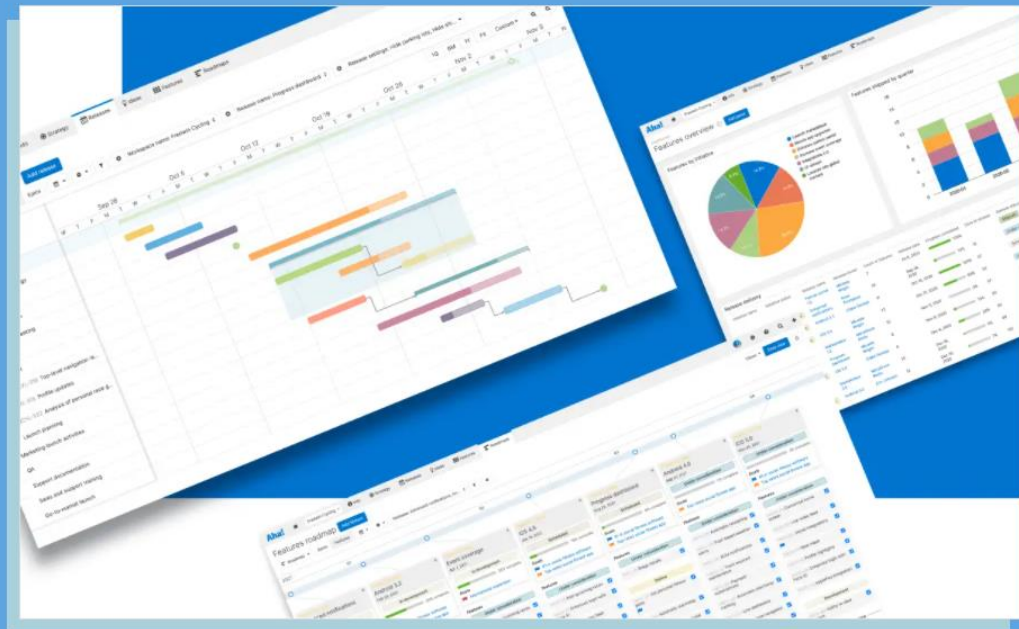
Link to Odoo website

<https://www.odoo.com/>



Try the world's #1 roadmap software

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Trusted by more than 5,000 companies

Aha!

Aha! is a cloud-based project management solution for small, midsize and large enterprises.

It caters to industries including education, energy, finance, government, legal, IT services, marketing, medical, non-profit and others.

Primary features include task lists, product roadmaps, Kanban boards, collaboration and analytics.

Product managers can create the strategy and visual roadmaps for their product launch and features. It provides Gantt charts to view project status.

Aha Support Video Utube

<https://www.youtube.com/watch?v=47dv4SxljPM>

Aha!



Specialist

Specialist providers dominate the PLM space, and with good reason.

Specialists' providers make CAD software first and add PLM later.

Computer-aided design (CAD) is the use of computers (or workstations) to aid in the creation, modification, analysis, or optimisation of a design.

And since PLM is about moving product data beyond engineering, having your PLM and CAD seamlessly integrated is extraordinarily valuable.

Pros of a specialist provider

Integration between the PLM solution and the same company's CAD system is seamless. It's designed to handle a huge amount of complex data. It's usually a closed environment, which simplifies security. This type of PLM is the tried-and-true solution.

Cons of a specialist provider

They're at the high end of the pricing table. Specialist PLM solutions tend to be a bit pricey. According to G2 Crowd, traditional PLMs rank in the top 80th percentile on average for PLM cost.

This means that on average, specialist providers cost more than 80% of all the PLM solutions out there.

They only integrate with their own CAD. Specialist providers usually offer a CAD system as well as a PLM. The two are designed to work together. And they do.

As soon as you move beyond that CAD environment, integration becomes difficult.

This can present problems for teams who use different CAD systems for different things

Suppliers whose clients use different CAD systems

Organisations with multiple, semi-autonomous departments where it's a single suite solution

On the spectrum from best-of-breed to single-suite, specialist providers sit at the single-suite end.

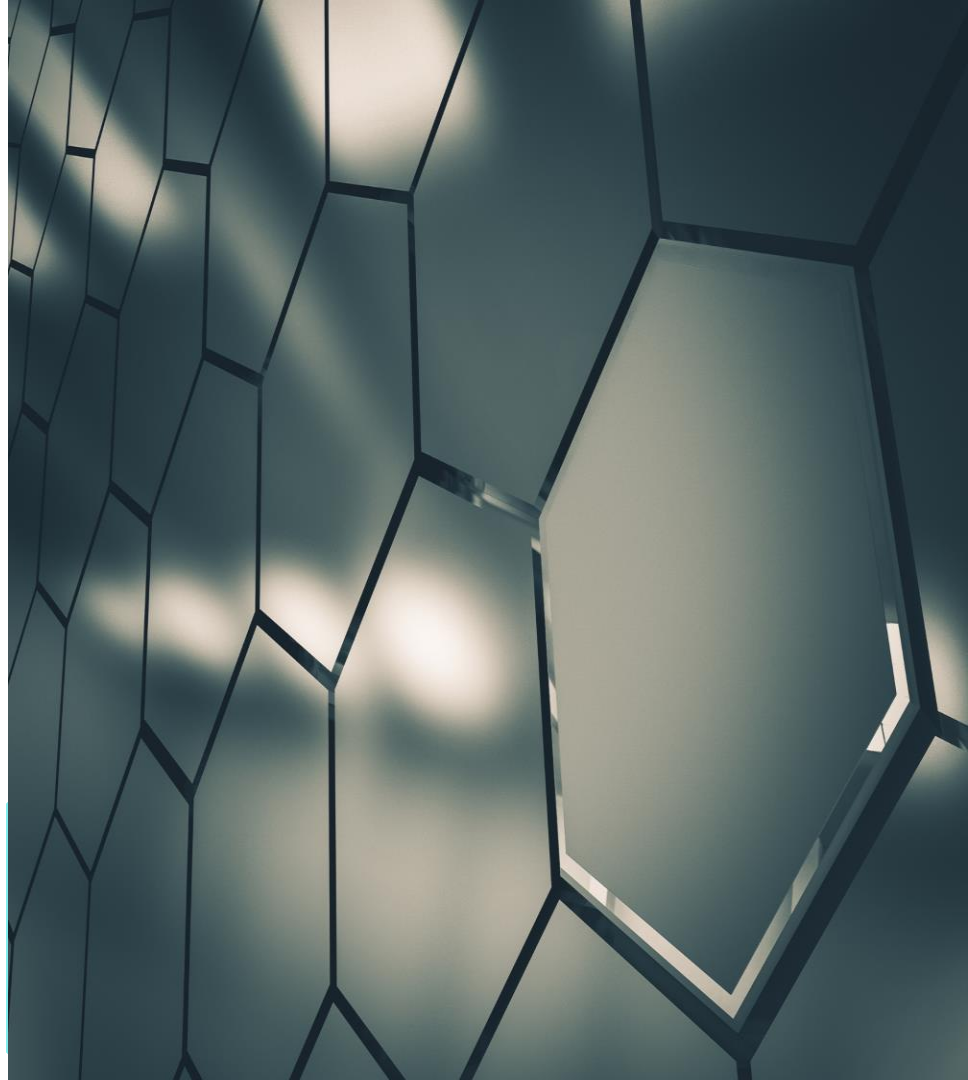
They work well with their own software family, but often fail to work with other tools.

This includes competitor software (e.g. different types of CAD) but also business solutions like email, word processors, Excel, and shared drives.



Modular PLM providers

These are organisations who specialise in something else but offer PLM as a bolt-on service



Modular PLM providers

These are PLM solutions that are offered by companies who specialise in something else but offer a PLM system as an optional add-on.

What separates modular solutions from specialists is that specialist providers are CAD-first organizations, who tie a PLM into their CAD data.

Modular solutions offer non-CAD software (e.g. ERP, database software, etc...) as their primary product and the PLM is designed first and foremost to integrate with that.

Pros of modular providers

It will integrate well with the rest of the provider's software suite.

This might include all the software you need to run your business.

It's a tool your extended stakeholder network already knows.

It can usually be added to your existing infrastructure relatively easily, both from both an admin and technical perspective.

Cons of modular providers

Missing functionality

Modular providers run into the problem of servicing their own hero product over the needs of product lifecycle management software.

Usually, this hero product is an ERP, which means that product data and financial data are integrated, but building in CAD data can be challenging because it's not the organization's core competency.

Poor cross-platform integration

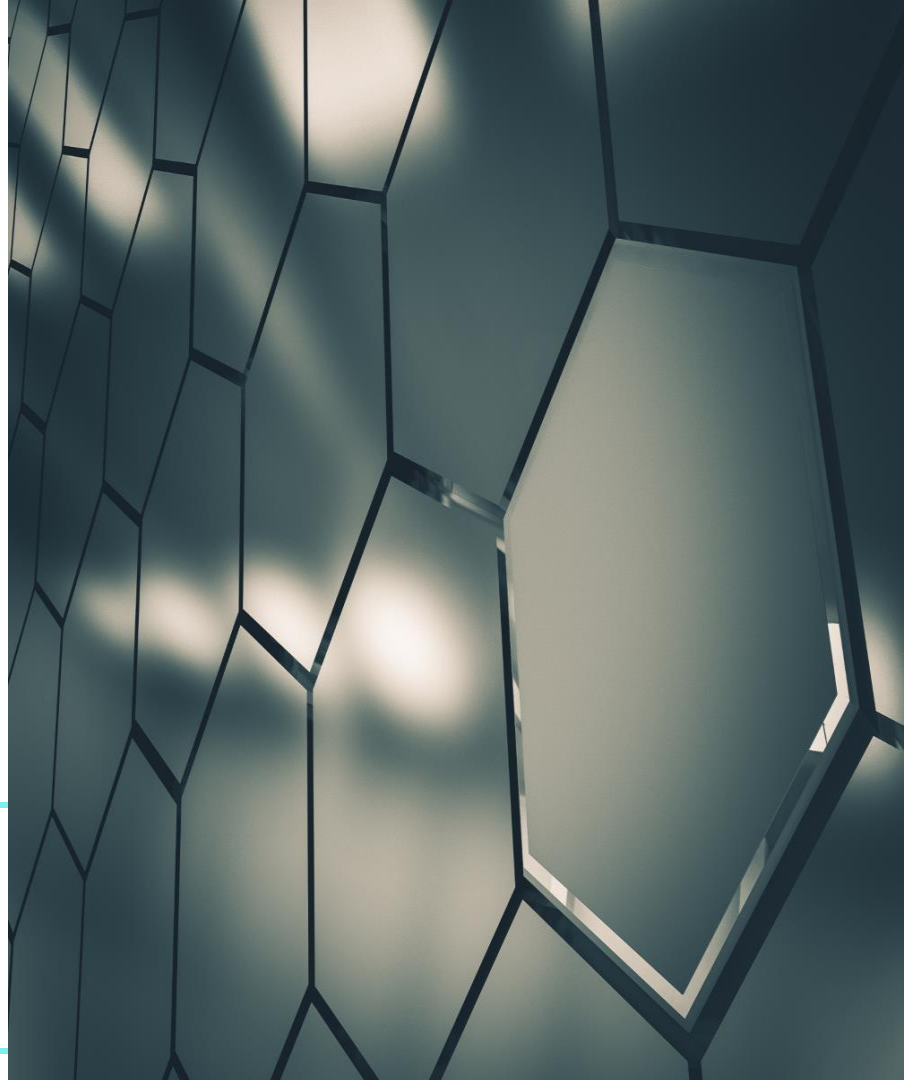
Modular providers Cont.

Modular providers run into a similar problem to specialist providers: they integrate effectively with their own software solutions but fail to integrate with others.

This ties their customers to a single suite, rather than choosing the software that works best for them.

Modular design means modular pricing

The modular approach to PLM means that pricing is usually modular as well – which means that the price can climb fast.





We hope that you have found this training module a useful and helpful support to your healthy food and drink innovation.

This training module is one of a number of training opportunities, organised into themed training programmes to support SME's (small & medium sized enterprises) in the participating regions of Wales, Northern Ireland, Ireland, Spain, Portugal and France to successfully bring new and reformulated healthy food and drink products to market.

The training was created by the partners within the AHFES project which is a quadruple helix Atlantic area healthy food eco-system for the growth of SME's funded by the European Union under the Interreg Atlantic Area Funding Programme.

This programme promotes transnational cooperation among 36 Atlantic regions of 5 European countries and co-finances cooperation projects in the fields of Innovation & Competitiveness, Resource Efficiency, Territorial Risks Management, Biodiversity and Natural & Cultural Assets.

For more information about other training available [please click here](#).



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