



One Microsoft platform for manufacturing

Learn how to engage an entire ecosystem across work, project,
and portfolio management



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Our mission at Microsoft

To empower
every person
and every
organization
on the planet
to achieve
more.



Teams need flexibility, enterprises need visibility

45%

of projects use agile and other modern dynamic PM methods.¹

78%

of CEOs say move to remote collaboration is an enduring shift.²

25M

new project managers needed by 2030.³

¹Gartner – PPM Predicts, 2021

²2021 Jobs Report, PMI

³Talent Gap 2021 Report, PMI



The world is changing. Manufacturers need to transform the way they work.

The manufacturing industry is digitally transforming, compelling manufacturing workforces to learn new skills. A successful workforce transformation requires technology that can attract, train, and retain the next generation of workers, equipping them with the skills they need to reimagine manufacturing and shape a sustainable future.



2.4M

manufacturing jobs
could remain unfilled
between 2018 and
2028 due to
inadequate skills.¹

¹Deloitte Insights, "The jobs are here, but where are the people? Key findings from the 2018 Deloitte and The Manufacturing Institute Skills Gap and Future Work Study," November 14, 2018. [Understanding the skills gap in the manufacturing industry | Deloitte Insights](#).

Reimagine project management on the Microsoft cloud platform

Our mission at Microsoft remains steadfast. We have invested heavily in people, tools, and innovative processes to empower your success.



Modern work management vision

**Teams work
the way they
want.
Executives
get the
results they
need.**

The right technology can help you wield the power to make project management simple with one connected platform, across three critical pillars:

Pillar 1

Collaboration made easy

Pillar 2

Improve visibility and governance

Pillar 3

Powerful insights



One connected platform that spans your work

Strategic planning and execution alignment for project management.

Pillar 1: Collaboration made easy

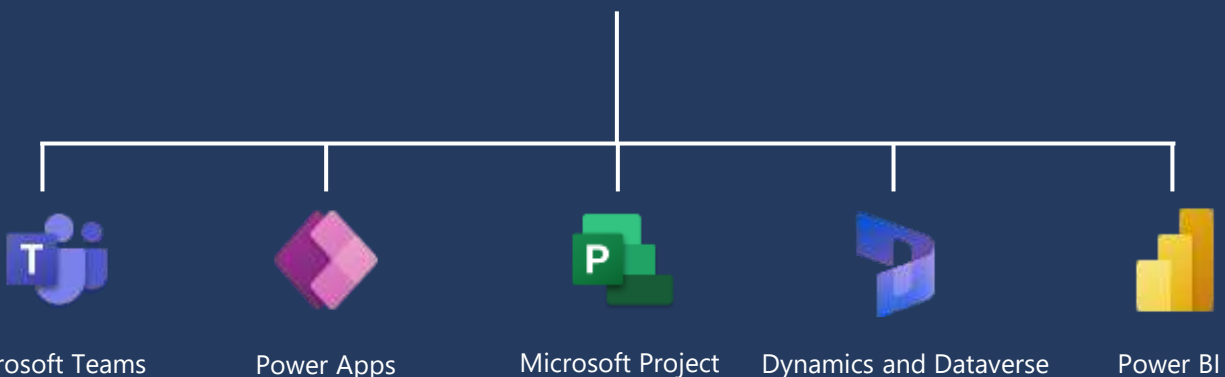
View your schedules on your choice of checklist, board, or Gantt formats. Simultaneously drop-drag edit schedules with anyone, anyplace via the web right within Microsoft Teams.

Pillar 2: Improve visibility and governance

Connect data from Microsoft Project with example applications such as the Project accelerator available on the Power Platform to effectively manage demand, portfolio, resource, and project information.

Pillar 3: Powerful insights

Integrate project management dashboards with Power Apps or Power BI to enable sponsors, managers, and delivery leads to track objectives and key results with real-time visualized information.



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... take supply chain, which is perhaps the most topical thing for any business today. Consider this example of how a manufacturer can use Teams to work

across all their partners and suppliers to mitigate a supply chain disruption by collaborating before, during, and after a meeting.

Satya Nadella

CEO, Microsoft

[Keynote Address, Microsoft Ignite, November 2, 2021](#)

Pillar 1: Collaboration made easy

About 78 percent of leaders said that equipping frontline workers with technology is key to success.¹

Manufacturers have an opportunity to equip their organizations and their frontline workers with powerful and intuitive tools that deliver a remote yet connected and integrated business experience.



- Simplify project management by bringing all your tools and processes together in Microsoft Teams to create a single place for information and action. Microsoft Teams provides the flexibility and functionality needed to keep everyone productive and up-to-date.
- Use Microsoft Project directly in Microsoft Teams to collaborate on all your work in one platform. Microsoft Teams supports organizations with the solutions they need as the demands and importance of the frontline worker continue to grow.
- Automate processes and approvals by creating workflows that trigger the necessary actions using Power Automate in Microsoft Teams.

¹[Scheduling and Task Tools from Frontline, Microsoft Teams](#) taken from Harvard Business Review study.



What truly impressed me with our Microsoft collaboration was that it was not about selling us a product.

It was about building something and addressing the world's water challenge together.¹

Christophe Beck

*Executive Vice President and President,
Nalco Water, an Ecolab company*



Learn more about how Ecolab is using Microsoft cloud technologies to solve global water challenges

¹*Solving global water challenges with Microsoft cloud technologies, 2016.*

Microsoft Project

Empowers companies to achieve better results by aligning investments with projects and resources, working with agility and flexibility, and collaborating globally—all using intuitive, consistent tools in the Microsoft cloud platform.

Pillar 2: Improve visibility and governance

Manufacturers don't want to simply adjust to a digitally transformed industry; they also want to drive improved business outcomes. To achieve this, they need to empower their workforces with tools and solutions that integrate people and processes, such as:

- Line-of-business apps, which can help improve business process and maintenance management.
- A low-code/no-code platform, which allows power users to build their own business apps and helps streamline enterprise workflows.
- Understand the bigger picture and keep stakeholders up-to-date with hierarchies and centralized project status recording. Create and assign risks and issues to minimize schedule impacts.



Microsoft Power Platform brings low-code/no-code development, workflow, and business intelligence tools. When working together with Microsoft Project, model and automate mundane but necessary project tasks for business users.

These capabilities enable corporate end-users to create solutions for themselves as well as to make them available for others to utilize.

The efforts can streamline operations, reduce development costs and reliance on corporate IT, and improve business outcomes.

Simplify project management by automating project activities and managing a hybrid work model.

- Dynamic scheduling automates project plans to boost efficiencies and reduce manual inputs.



- Generate immersive model-driven apps using real-time project data to simplify complex activities and address unique needs.

Example application: The Project accelerator, available on the low-code, no-code Power Platform, provides convenient forms, flows, connectors, and automation options which are easily tailored to match your organization's requirements.

[Get started with Project accelerator](#)

Power Platform includes:



Power Apps



Power Automate



Power BI



Power Virtual Agents

According to The Total Economic Impact™ of Microsoft Power BI study, giving these tools to business users makes them more self-sufficient, and it puts many development efforts in the hands of the people who best understand the challenges and opportunities of a business.¹



Read The Total Economic Impact™ of Microsoft Power BI study

¹The Total Economic Impact™ of Microsoft Power BI , Forrester 2020.



Data shows that Microsoft Power Platform improves business outcomes

502%

Return on investment
over three years

\$25.9M

Net present value



Read The Total
Economic Impact™
of Microsoft Power
Platform study



Pillar 3: Powerful insights

As the world thinks about rebuilding for the future, one of the considerations across large organizations is how to make better decisions?

There is more data, but less time to react. Organizations must link strategy to execution—make data-based decisions at all levels to have a positive impact on outcomes.

Meet challenges of responsive project management effectively with Microsoft Power Platform—analyze data, build solutions, automate processes, and create virtual agents.

Dashboard reports, alerts, and workflows can be easily built and shared within Microsoft tools like Microsoft Teams, Office, and Project, and connected to other enterprise applications.



Empower everyone to make confident decisions anywhere.

Enable teams to bring insights into their everyday work by automating manual processes and activating siloed data.

Encourage employees to work daily in Office tools they know and collaborate on Microsoft Teams.

- Project dashboards and report templates natively integrated with Power BI bring real-time visualized information to sponsors, managers, and delivery teams.
- Build Power BI dashboards to gain insights about unique portfolio and project aspects.
- Leverage the Project Power App for working with online projects.



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From purchase process, to subcontract management, to deposit service and payment processes—all workflows are now quicker. Thanks to [this solution], we can

check in on any aspect of the business at any time. Budgeting and project implementation monitoring are easier.¹

Tomasz Chudzik

Chief Information Officer, Dom Development



Learn more about how Dom Development is using Microsoft Power BI and Project

¹Leader in Polish real estate market, Dom Development, streamlines operations with Dynamics 365, 2021.

How Power BI can help

The Total Economic Impact™ of Microsoft Power BI, Forrester 2020 ¹

366%

Return on investment

42%

Reduction of effort

125 hours

Saved per user per year

¹*The Total Economic Impact™ of Microsoft Power BI*, Forrester 2020.



Security and compliance

While increased connectivity and mobility are an advantage for the manufacturing industry, they can leave valuable data more susceptible to cyberattacks. Now more than ever, manufacturers need to provide essential security and compliance to keep critical information safe by using:



- Advanced information protection, a cloud-based solution that enables organizations to discover, classify, and protect documents and emails by applying labels to content.
- Zero Trust security, which makes sure every access request is fully authenticated, authorized, and encrypted before granting access.
- Regulatory compliance adherence, which helps manufacturers stay compliant with government laws, regulations, guidelines, and specifications that are relevant to a particular business or industry.
- IoT security, which offers built-in protection at each stage of deployment and minimizes security weaknesses through intelligent monitoring tools built with powerful AI.

At Microsoft, we never take your trust for granted

We are serious about our commitment to protecting customers in a cloud-first world.

We live by standards and practices designed to earn your confidence and GDPR.

We collaborate with industry and regulators to build trust in the cloud ecosystem.

Tasks by Planner and Microsoft Project are certified for HIPAA, SOC 1&2, EUMC, ISO 27001, ISO 27018, and GDPR.





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Businesses and users are going to embrace technology only if they can trust it.

Satya Nadella

CEO, Microsoft

Introducing Microsoft Cloud for Manufacturing

Manufacture a more resilient and sustainable future through open standards and ecosystems.

Microsoft Cloud for Manufacturing is designed to deliver capabilities that support the core processes and requirements of the industry. These end-to-end manufacturing solutions include released and new capabilities that seamlessly connect people, assets, workflow, and business processes, empowering organizations to be more resilient.

Digitally empower your workforce

Re-skill your workers and increase customer satisfaction with new digital experiences.

Operate safe and agile factories

Build the productive, smart factory of the future with industrial IoT, cloud, AI, and mixed reality.

Create more resilient supply chains

Improve end-to-end supply chain visibility, agility, and profitability through intelligent planning and execution, demand sensing, and traceability.

Unlock innovation and new services

Accelerate the engineering of new business value using digital feedback loops and digital twins.

Excited to get started? We're here to help.

We're thrilled about the work we're doing with our manufacturing clients. But don't take our word for it. See how we're helping our project management clients transform [here](#).

To get started, reach out to your Microsoft representative directly, or contact us at usproject@microsoft.com.



Learn more about
Microsoft Project

aka.ms/MicrosoftProject



Learn more about
Power Apps

powerapps.microsoft.com