

Unleashing the Power of Power BI Data Visualization and Project Online to Transform your Resource and Portfolio management



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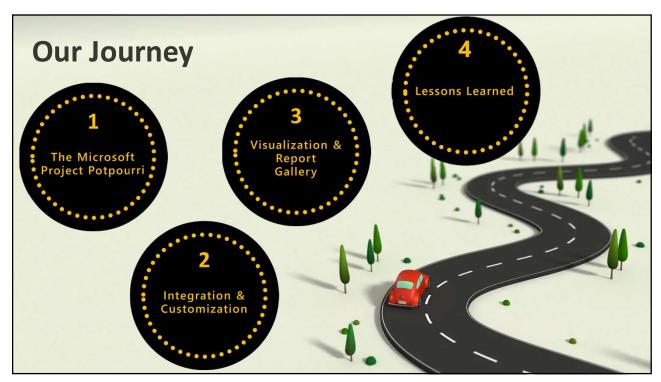
PMI Rochester Professional Development Day May 9, 2024

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Learning Objectives

- Understand the framework for using Microsoft Project Online and Power BI for Project and Portfolio visualization and management.
- Provide hot tips that can spark ideas you can bring back to your organization.
- Help you overcome "How do I start" inertia.







Sciforma PMO Outlook Report 2024 Edition

Biggest challenge you face today with managing your portfolio of projects



Management

46%



Prioritization

29%



Visibility & Reporting

17%

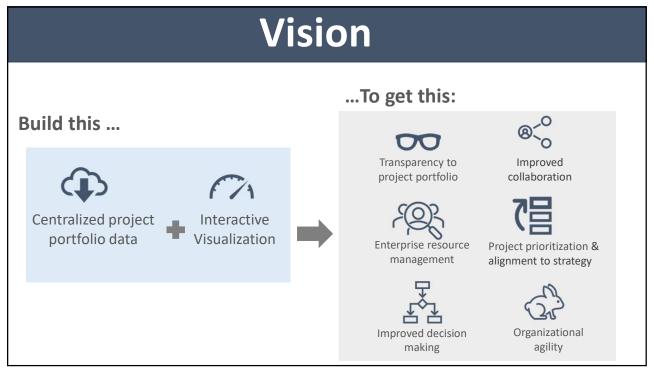


Project Financial Management

Ref: Sciforma PMO Outlook Report 2024 Edition

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Capacity Planning (50%) Resource Allocation (28%) Resource Utilization (16%) Management Most Challenging Accurately "Scoring" the Value of Portfolio Projects (28%) Saying "No" to Some Projects in the Portfolio (28%) Aspects cited Project Aligning Portfolio Projects with Corporate Strategy (24%) Prioritization in Sciforma Integrating project-related data from systems the PMO does not control (38%) survey Project portfolio data is not centralized (31%) Visibility & Reporting Lack of real-time project portfolio data (19%) Integrating with an existing financial system (28%) Tracking budgets vs actuals (28%) **Project Financial** Ref: Sciforma PMO Outlook Report 2024 Edition Management

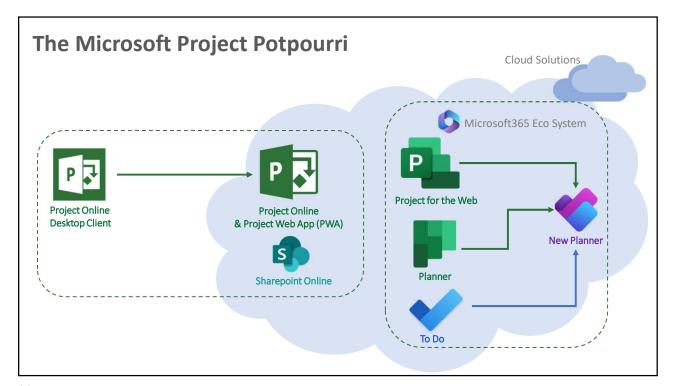


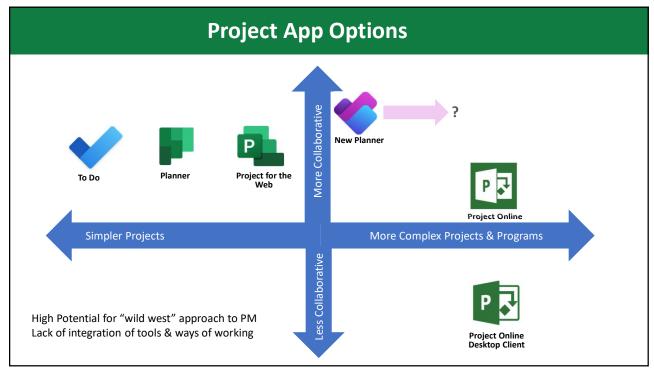
The goal is to provide visibility to the entire project & portfolio management process. Identifying Evaluating Selecting & Optimizing Executing **Business Drivers** (definition & Benefits Mgmt prioritization) Track Benefits Is investment consistent with business priorities? How should the portfolio be optimized? How is the portfolio affected by changes in strategic direction? Plan, Manage & Deliver Projects in Portfolio **New Project Optimize Project Project Valuation Project Ranking &** Portfolio Track Performance (establish business Force-ins/Force (Constraint & Risk Approved or "Must value) analysis) Portfolio Change Mgmt Rebalancing



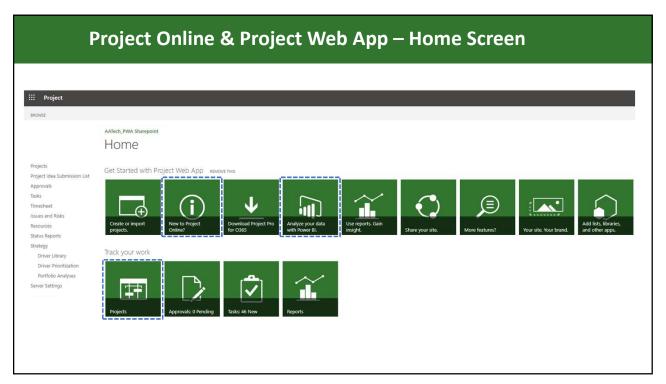
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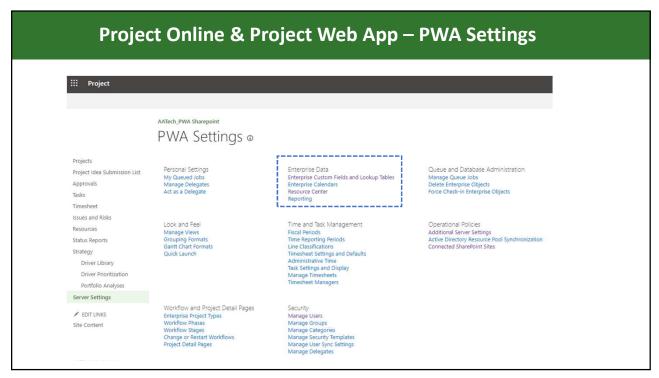


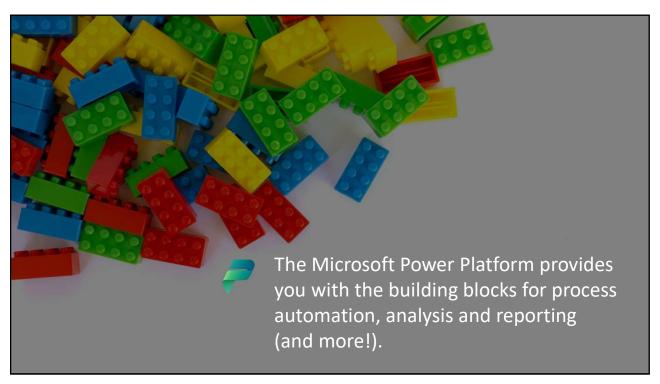


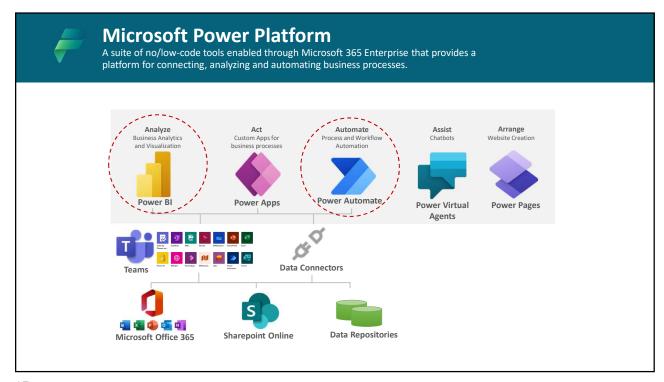


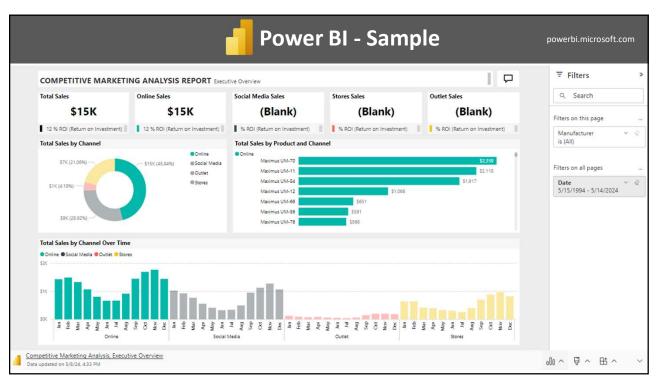
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Feature	Project Plan 1	Project Plan 3	Project Plan 5	
Project Home centralized location		Project Plans 1, 3 & 5		
Grid view / board view / Gantt chart Timelines				
Microsoft Teams Collaboration				
Project Planning and scheduling - co-authoring				
Pre-built reports				
Project for the Web				
Timesheet submission capability		Read-only Project Plans 3 &		
Resource management capability				
Access to roadmap	Read-only		lans 3 & 5	
Project Online Desktop client				
Project Online / Project Web App				
Portfolio selection and optimizing		Project Plan 5		
Demand management capability				

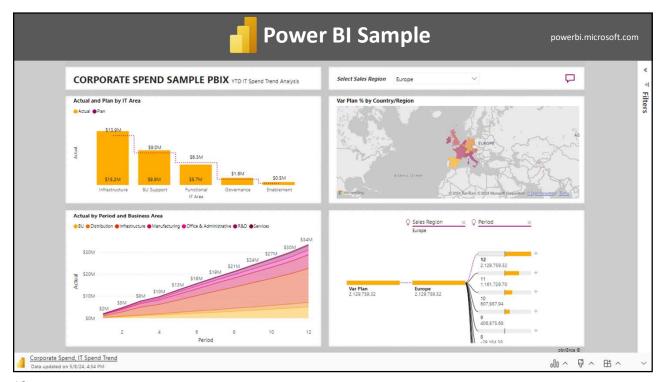


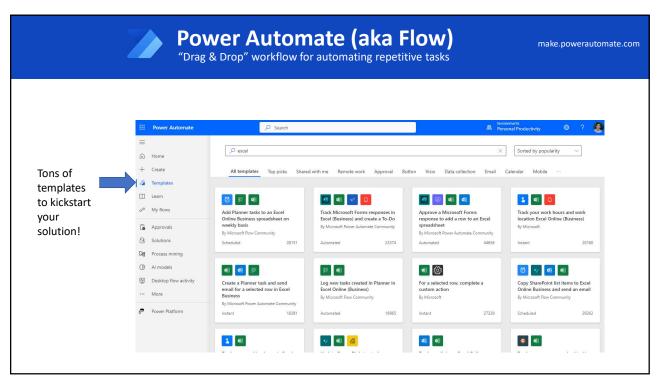




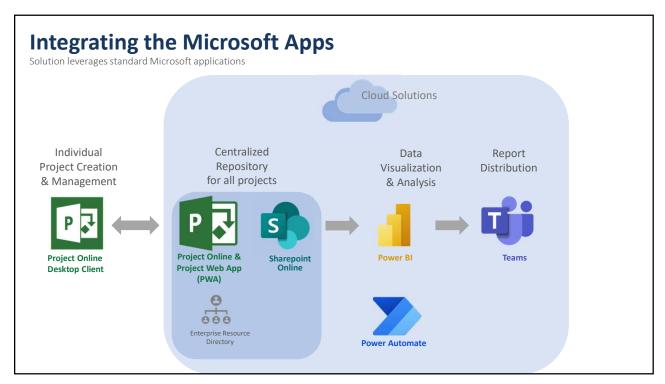


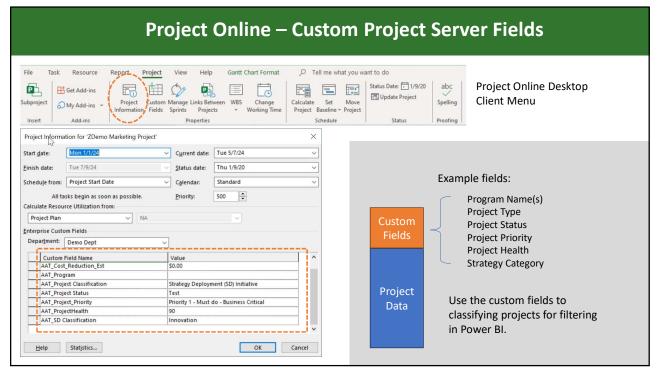


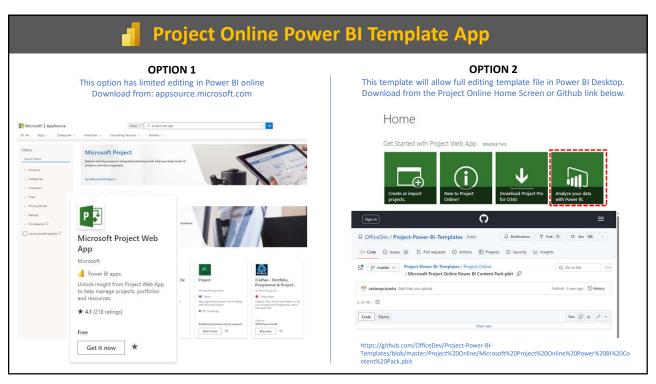


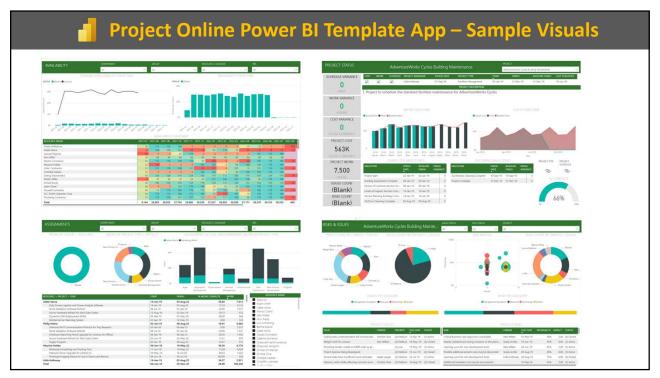


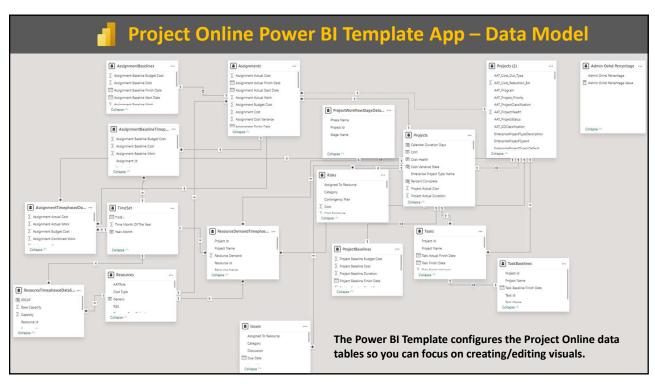


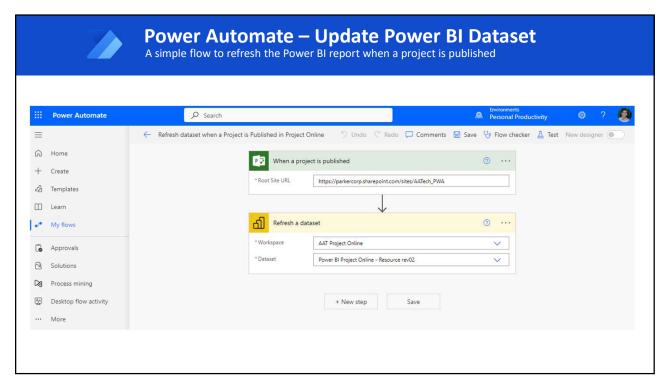


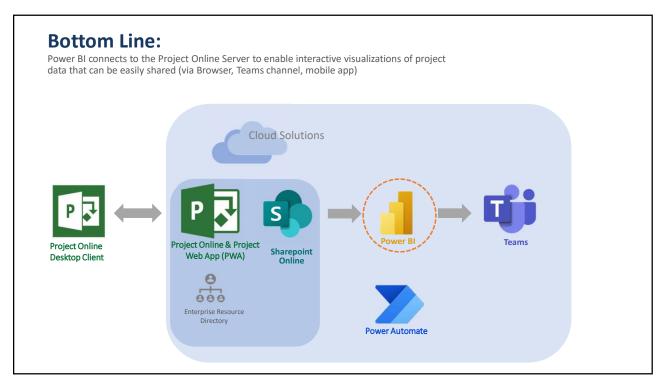














Project Online: Power BI Report Pages Project Reports Portfolio Reports Resource Reports Resource Availability Portfolio Dashboard **Project Status** Portfolio Timeline **Resource Overview** Project Risks & Issues Portfolio Costs **Resource Assignments Resource Details** Portfolio Milestones **Resource Demand Forecast** Portfolio Risks Portfolio Issues

Resource Management | Capacity Management | Demand Management

Definitions

More Tactical – Individuals & Projects

Resource Management

Identifying resource requirements & timing and allocating appropriately (right person, right time)

Optimizing resource utilization to avoid overallocation or conflicts.

Resource Management is tactical focusing on optimizing use of resources.

More Strategic – Organization & Portfolio

Capacity Management

Understanding the limits of what the organization can achieve with its current resources & ensuring the organization has the capability to meet current and future workloads

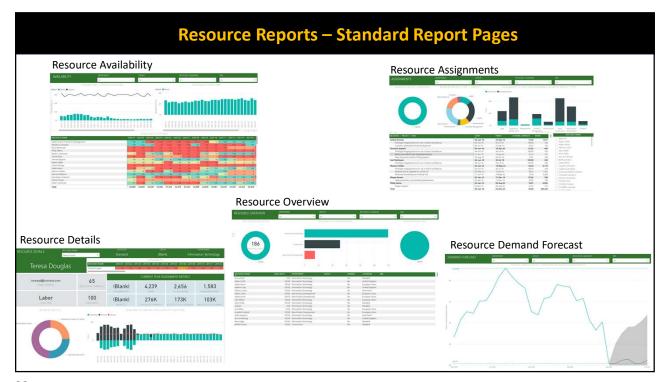
Capacity management helps in planning resource expansion or reallocation to meet upcoming demands.

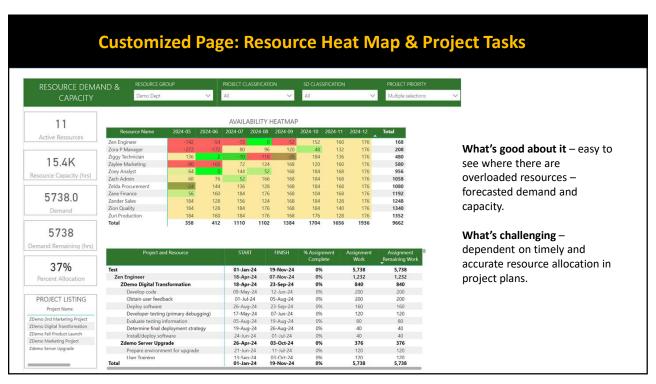
Demand Management

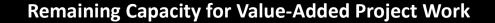
Prioritizing and controlling the intake and execution of new work based on the organization's strategic objectives & capacity to deliver. (Right project, Right

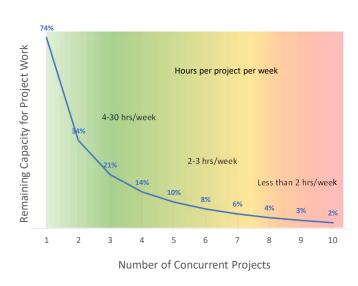
Aligning the work undertaken with the organization's priorities and capacity,











Notes & Assumptions:

- 20% used for operational work (non project)
- 2.5% for project overhead (e.g. meetings, 1 hr /week)
- 3% Task-switching loss (e.g. 15 min per project per day)

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Factors affecting how many projects you can handle concurrently

Some guidelines suggest a range of 2 - 5 simultaneous projects

Factors enabling the handling of more projects:

- · Deep specialization
- · Similarity of projects
- Simple & Routine tasks
- High Team effectiveness (clear accountability, decision making, responsiveness)
- Worker personality/preference
- · Automation (AI?)

Factors enabling the handling of less projects

- · Complex work
- Uniqueness of the project
- Inadequate tools & lack of automation
- Worker personality/preference
- Poor project management

Customized Page: Project Allocation Mapping RESOURCE ALLOCATION BY PROJECT 100.0% 13.0% 104.3% 65.2% ZDemo Marketing Project 18.2% 56.5% 26.1% 73.9% Zdemo Server Upgrade What's good about it – Quick way to tally up the number of projects and time commitment per project over a set period of time (e.g. current month) What's challenging - Assessing how many projects is too much – and making necessary changes.

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"The number of projects that key resources can handle should determine the number of active projects in the organization – not the other way around."

- Steyn & Schnetler



