



Shine A Light On Your Project Data With Power BI

Jeff Spencer, Senior Project Specialist

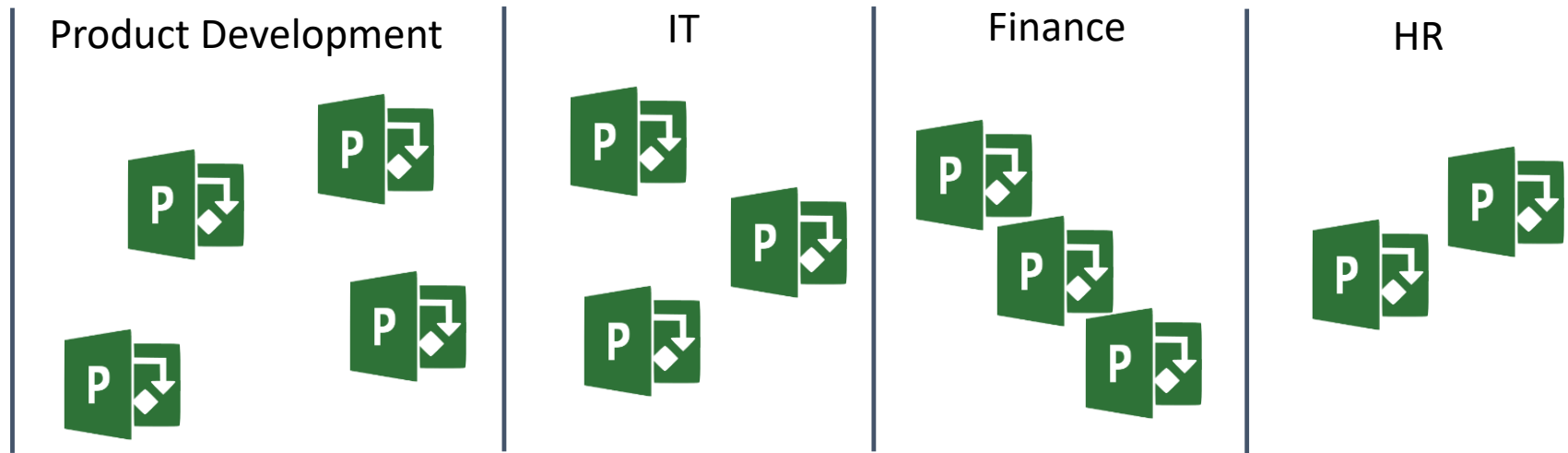


Drew Mery, Chief Data Analyst



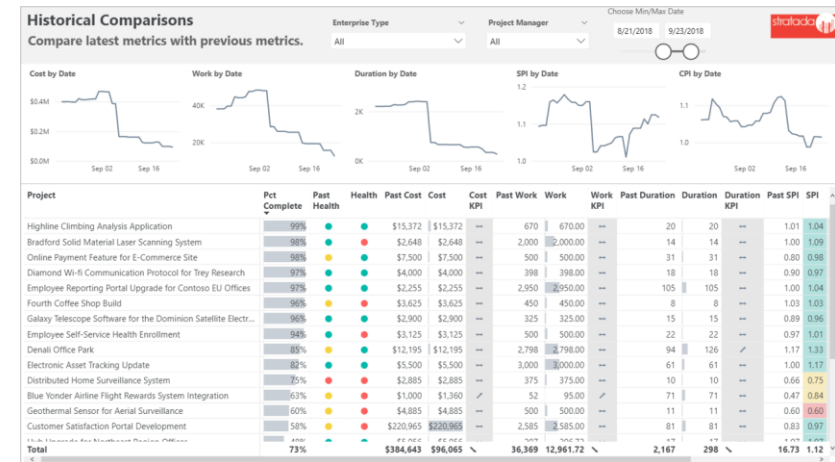
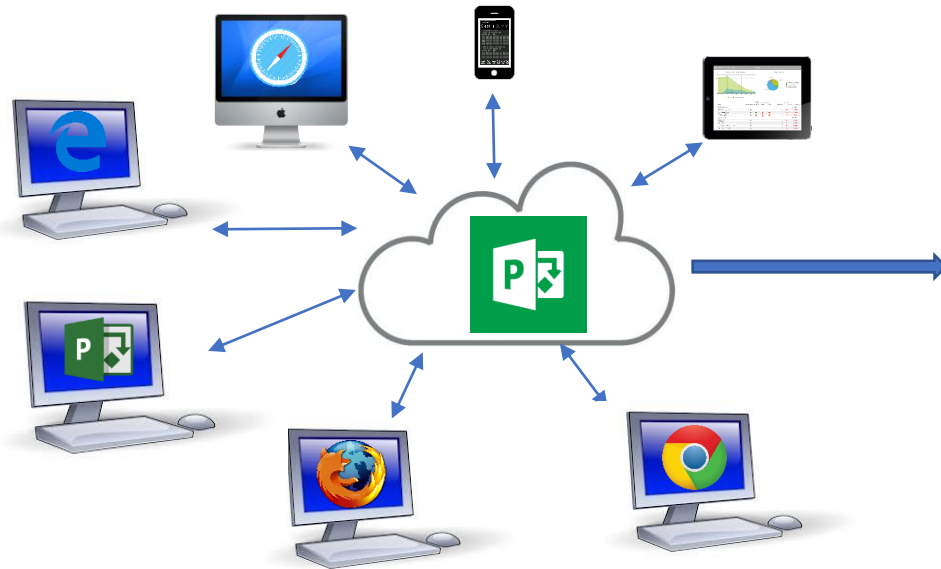
How is Project Data Kept In The Dark?

Most Projects are Managed Individually, In Silos



Projects Should Be Managed Collaboratively

Microsoft Project Online is the most popular, easiest to use PPM solution

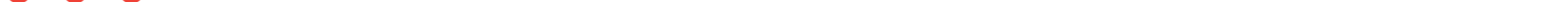


How To Get Started With Project Online

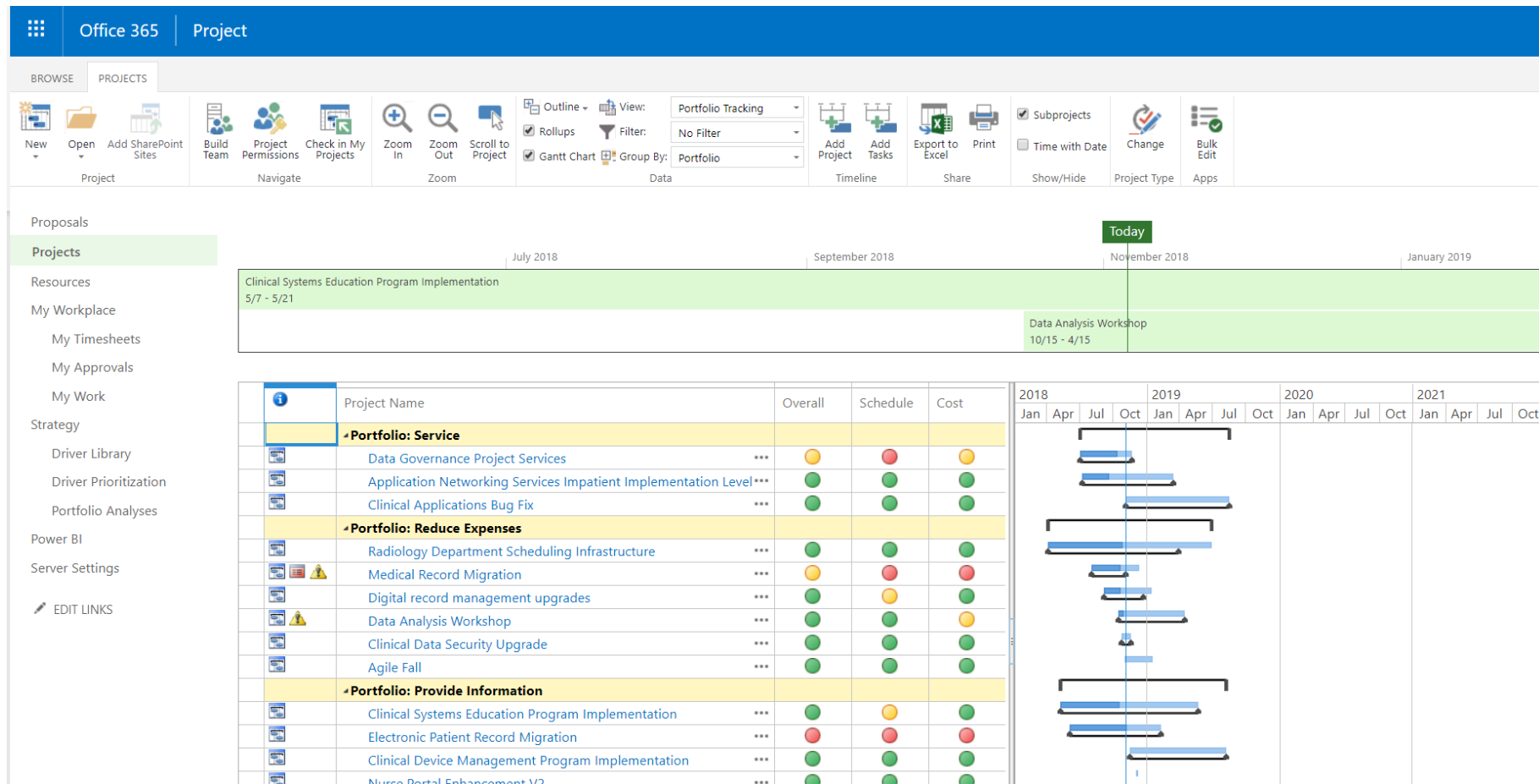
- Jeff's YouTube video series...you can do this on your own!
https://www.youtube.com/channel/UC_x_kdhBr4WCGHtaKveUpSA/videos
- Twelve videos walk you through:
 - Creating a new PWA site
 - Publishing Project plans
 - Adding custom fields
 - Creating new Views
 - Updating project status



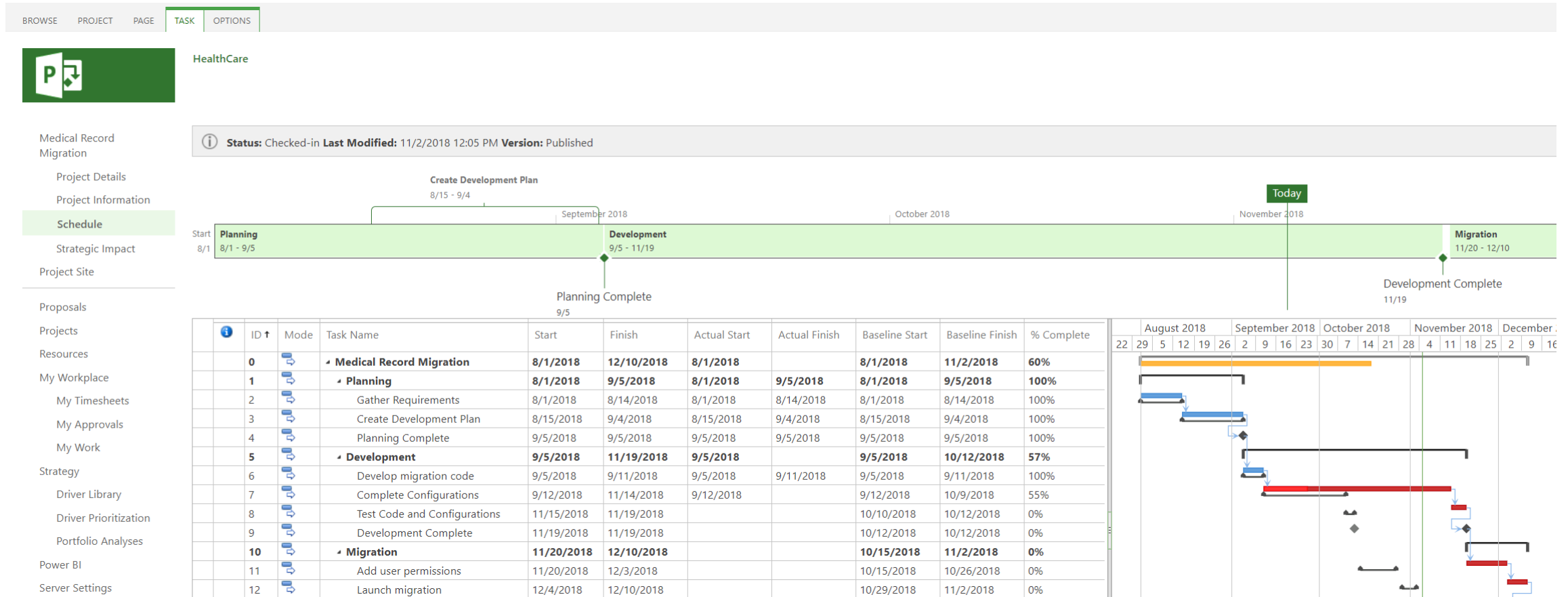
Project Online – Project Center



Configured with data and views



Viewing your detailed project



Using your Project Site for Risks, Issues & Documents

BROWSEPAGE

Edit Page

Edit Properties

Permissions

Share & Track

Alert Me

Popularity Trends

Approve

Reject

Workflows

Edit Mobile Page

Make Homepage

Title Bar Properties

Tags & Notes

Home

Notebook

Documents

Document Management

Record Management

Digital Asset Management

Business Process Automation

Collaboration-Productivity

Enterprise Social

Business Intelligence

Tasks

Calendar

Recent

Deliverables

Risks

Issues

Research

Information Rights Management

Project Summary

Development due in 14 days

1 upcoming

Create Development Plan 8/15 - 9/4

Start 8/1

Planning 8/1 - 9/5

September 2018

Development 9/5 - 11/19

October 2018

November 2018

Today

December 2018

Migration 11/20 - 12/10

Finish 12/10

Planning Complete 9/5

Development Complete 11/19

Issues

+ new item or edit this list

Current View

Find an item

✓	ID	Title	Assigned To	Status	Priority	Category	Due Date
	Count= 1						
	1	Insufficient Patient Relocation Space	Steve Masters	(3) Closed	(1) High	(2) Category2	

Newsfeed

Start a conversation

Documents

+ New

Upload

Sync

Share

More

Current View

Find a file

✓	Name	Modified	Modified By
	Project Change Authorization	November 9, 2017	Steve Masters
	Project Communication Plan	November 9, 2017	Steve Masters
	Project Scope	November 9, 2017	Steve Masters

Drag files here to upload



Office 365 Project

BROWSE AVAILABILITY

View: Resource Utilization

Work Units: Hours Timescale: Months Include proposed bookings

Over by 10% Under by -10%

Set Date Range From: 10/1/2018 To: 3/31/2019

Export to Excel Resource Center Resource Assignments Resource Requests

Resource Utilization

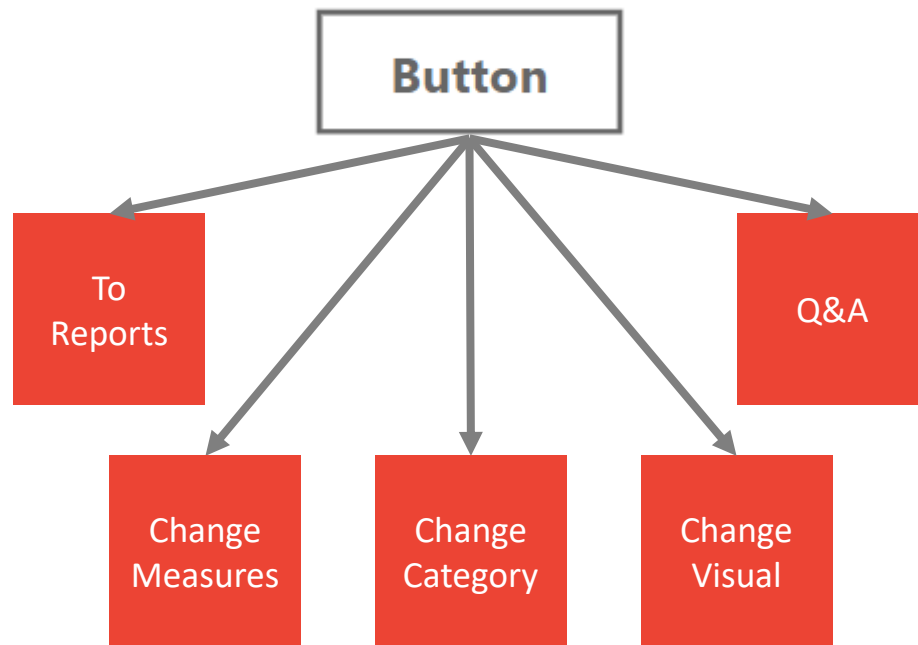
Date	Total Utilization (Hours)
10/1/2018	1,288
11/1/2018	1,232
12/1/2018	1,176
1/1/2019	1,288
2/1/2019	1,120
3/1/2019	1,176

Series (Click to hide): Capacity, Amos Malone, Ann Gray, Arturo Becker, Client Device Speci, Clinical Applicatio, Harvey Day, Steve Masters, Systems Analyst.



How can you create more dynamic reports and streamline your analysis to better understand your portfolio and solve problems?

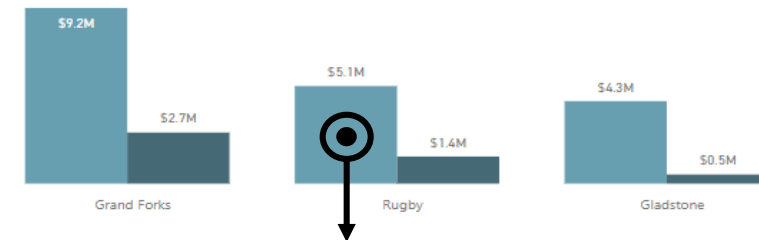
Buttons & Bookmarks



Drillthrough

Cost and Actual Cost by Program

● P_Cost ● P_Actual Cost



Project Type	% Complete	Cost	Actual Cost	Cost Variance
Facilities Management	66%	\$1,383,370	\$950,510	\$0
Southbridge Central Building Facility	4%	\$653,790	\$487,320	\$0
AdventureWorks Cycles Building Maintenance	66%	\$563,180	\$359,190	\$0
Closed Circuit Security Cameras in Parking Structures	57%	\$166,400	\$104,000	\$0
Program	32%	\$130,130	\$46,475	\$0
Rugby Program	32%	\$130,130	\$46,475	\$0
New Construction	13%	\$3,621,164	\$427,615	\$816,661
Denali Office Park	31%	\$620,214	\$186,458	\$118,111
Northwind Traders Data Center	30%	\$725,848	\$167,147	\$113,500
Bay Plaza	4%	\$1,690,052	\$74,010	\$0
Fourth Coffee Shop Build	0%	\$135,884	\$0	\$135,884
Lucerne Publishing Shipping Center Facility	0%	\$449,166	\$0	\$449,166
Total	33%	\$5,134,664	\$1,424,600	\$816,661

Stratada Time Intelligence

For Microsoft Project Online

- Data-driven is the new competitive advantage
- Without Stratada, your Project data is overwritten and lost with every update in Project Online
- Historical data can visibly demonstrate the value of a PMO and good process
- Data can predict & control project failure or success
- Data gives better oversight of fiscal budget/spend



Weekly Project Status

Top metrics per project, with history.

Selected History Date for Comparison: 1/2/2017

Project

E-Commerce Portal Development

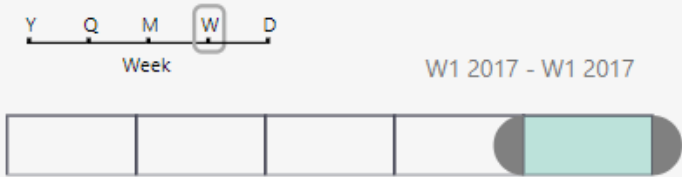
Health Status



Schedule Status



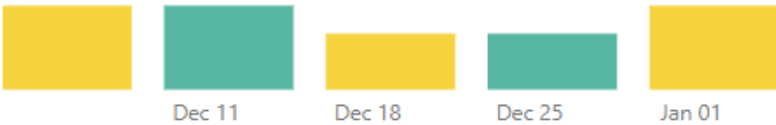
Cost Status



Risk Count and Health by History Date



Issue Count and Schedule Health by History Date



Risk Cost and Cost Health by History Date



Risk	Risk Cost	Probability	Risk Expected Value
Poor team dynamics	\$15,000	15%	\$2,250

Issues	Issue days open
Lisa Andrews, Java developer, working 70+ hours per week	32
Contractor supplying product images has reported schedule pr...	16

Last Week's Accomplishments

Acme Media will slip > 3 months on product
Continued update of help text

Coming Week's Plans

Help text milestone

Phase	% Complete	Work	Actual work	End Date
Scope	100%	45 hrs	45 hrs	10/2/2016
Analysis	100%	208 hrs	208 hrs	11/15/2016
Design	92%	188 hrs	165 hrs	1/3/2017
Development	80%	315 hrs	220 hrs	2/7/2017
Unit testing	68%	344 hrs	245 hrs	2/22/2017
Documentation	40%	320 hrs	90 hrs	2/25/2017
Training materials	50%	136 hrs	62 hrs	2/28/2017

Weekly Project Status

Top metrics per project, with history.

Selected History Date for Comparison: 12/26/2016

Project

E-Commerce Portal Development

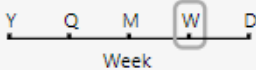
Health Status



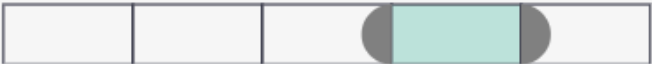
Schedule Status



Cost Status



W53 2016 - W53 2016



Risk Count and Health by History Date



Issue Count and Schedule Health by History Date



Risk Cost and Cost Health by History Date



Risk	Risk Cost	Probability	Risk Expected Value
Contractor failure	\$215,000	85%	\$182,750
Vender delays	\$100,000	25%	\$25,000
Low turnover on the project team	\$35,000	10%	\$3,500

Issues	Issue days open
Lisa Andrews, Java developer, working 70+ hours per week	32
Contractor supplying product images has reported schedule pr...	16
	12

Last Week's Accomplishments

Acme Media will slip > 3 months on product

Continued update of help text

Interviewed 3 JavaScript developers

Coming Week's Plans

Help text milestone

Hire JavaScript developer

Phase	% Complete	Work	Actual work	End Date
Scope	100%	45 hrs	45 hrs	10/2/2016
Analysis	100%	208 hrs	208 hrs	11/15/2016
Design	90%	184 hrs	165 hrs	1/3/2017
Development	75%	304 hrs	220 hrs	2/7/2017
Unit testing	68%	344 hrs	245 hrs	2/22/2017
Documentation	40%	320 hrs	90 hrs	2/25/2017
Training materials	50%	136 hrs	62 hrs	2/28/2017

Weekly Project Status

Top metrics per project, with history.

Selected History Date for Comparison: 12/19/2016

Project

E-Commerce Portal Development

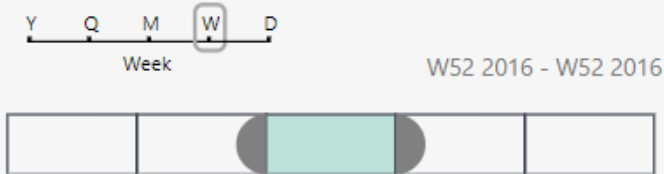
Health Status



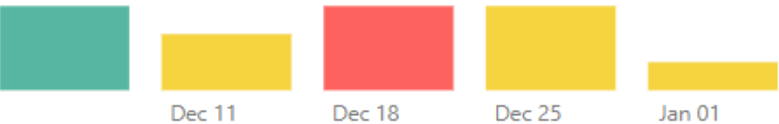
Schedule Status



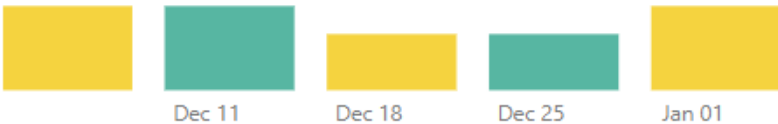
Cost Status



Risk Count and Health by History Date



Issue Count and Schedule Health by History Date



Risk Cost and Cost Health by History Date



Risk	Risk Cost	Probability	Risk Expected Value
Contractor failure	\$231,000	70%	\$161,700
Ambiguous change requests	\$110,000	45%	\$49,500
High turnover on the project team	\$45,000	20%	\$9,000

Issues	Issue days open
Lisa Andrews, Java developer, working 70+ hours per week	26
Contractor supplying product images has reported schedule pr...	3

Last Week's Accomplishments
Acme Media will slip > 3 months on product
Continued update of help text
Interviewed 1 JavaScript developer

Coming Week's Plans
Help text milestone
Hire JavaScript developer

Phase	% Complete	Work	Actual work	End Date
Scope	100%	45 hrs	45 hrs	10/2/2016
Analysis	100%	208 hrs	208 hrs	11/15/2016
Design	87%	184 hrs	160 hrs	1/3/2017
Development	71%	304 hrs	212 hrs	2/7/2017
Documentation	33%	320 hrs	86 hrs	2/13/2017
Unit testing	63%	344 hrs	237 hrs	2/22/2017
Training materials	40%	136 hrs	56 hrs	2/28/2017

Project Status Comparison

Look back in time at your project's status.

Project

E-Commerce Portal Development



Choose earlier date

12/12/2016

Health

Schedule

Cost

Accomplishments

Accomplishments

Adjusted new screens for non-proportional font

Continued update of help text

Issues

Issues

Lisa Andrews, Java developer, working 70+ hours per week

Sales dept. has asked for additional customer input screens

Testing software crashes regularly

Risks

Risk

Ambiguous change requests

High turnover on the project team

Plans

Plans

Help text milestone

JavaScript developer interviews

Health

Schedule

Cost

Choose later date

1/2/2017

Accomplishments

Accomplishments

Acme Media will slip > 3 months on product image deliverables

Continued update of help text

Issues

Issues

Contractor supplying product images has reported schedule problems and may trigger their optio

Lisa Andrews, Java developer, working 70+ hours per week

Risks

Risk

Poor team dynamics

Plans

Plans

Help text milestone

Historical Comparisons

Compare latest metrics with previous metrics.

Enterprise Type

All

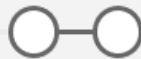
Project Manager

All

Choose Min/Max Date

8/21/2018

9/23/2018



Cost by Date



Work by Date



Duration by Date



SPI by Date



CPI by Date



Project	Pct Complete	Past Health	Health	Past Cost	Cost	Cost KPI	Past Work	Work	Work KPI	Past Duration	Duration	Duration KPI	Past SPI	SPI	SPI^
Highline Climbing Analysis Application	99%	●	●	\$15,372	\$15,372	↔	670	670	↔	20	20	↔	1.01	1.04	↗
Bradford Solid Material Laser Scanning System	98%	●	●	\$2,648	\$2,648	↔	2,000	2,000	↔	14	14	↔	1.00	1.09	↗
Online Payment Feature for E-Commerce Site	98%	●	●	\$7,500	\$7,500	↔	500	500	↔	31	31	↔	0.80	0.98	↗
Diamond Wi-fi Communication Protocol for Trey Research	97%	●	●	\$4,000	\$4,000	↔	398	398	↔	18	18	↔	0.90	0.97	↗
Employee Reporting Portal Upgrade for Contoso EU Offices	97%	●	●	\$2,255	\$2,255	↔	2,950	2,950	↔	105	105	↔	1.00	1.04	↗
Fourth Coffee Shop Build	96%	●	●	\$3,625	\$3,625	↔	450	450	↔	8	8	↔	1.03	1.03	↔
Galaxy Telescope Software for the Dominion Satellite Electr...	96%	●	●	\$2,900	\$2,900	↔	325	325	↔	15	15	↔	0.89	0.96	↗
Employee Self-Service Health Enrollment	94%	●	●	\$3,125	\$3,125	↔	500	500	↔	22	22	↔	0.97	1.01	↗
Denali Office Park	85%	●	●	\$12,195	\$12,195	↔	2,798	2,798	↔	94	126	↗	1.17	1.33	↗
Electronic Asset Tracking Update	82%	●	●	\$5,500	\$5,500	↔	3,000	3,000	↔	61	61	↔	1.00	1.17	↗
Distributed Home Surveillance System	75%	●	●	\$2,885	\$2,885	↔	375	375	↔	10	10	↔	0.66	0.75	↗
Blue Yonder Airline Flight Rewards System Integration	63%	●	●	\$1,000	\$1,360	↗	52	95	↗	71	71	↔	0.47	0.84	↗
Geothermal Sensor for Aerial Surveillance	60%	●	●	\$4,885	\$4,885	↔	500	500	↔	11	11	↔	0.60	0.60	↔
Customer Satisfaction Portal Development	58%	●	●	\$220,965	\$220,965	↔	2,585	2,585	↔	81	81	↔	0.83	0.97	↗
Total	73%			\$389,243	\$96,065	↘	36,429	12,962	↘	2,167	298	↘	14.13	1.12	↘

Project Cost & Work Trends

Enterprise Type

All

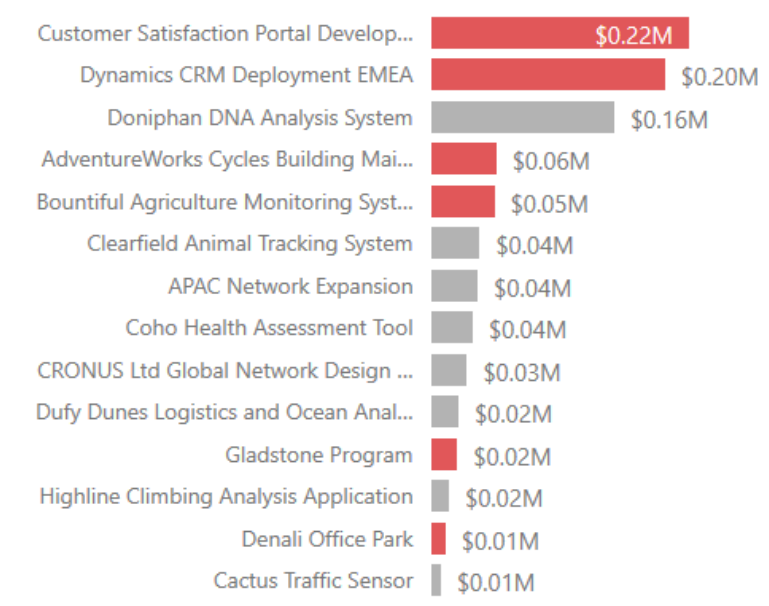
Project Manager

All

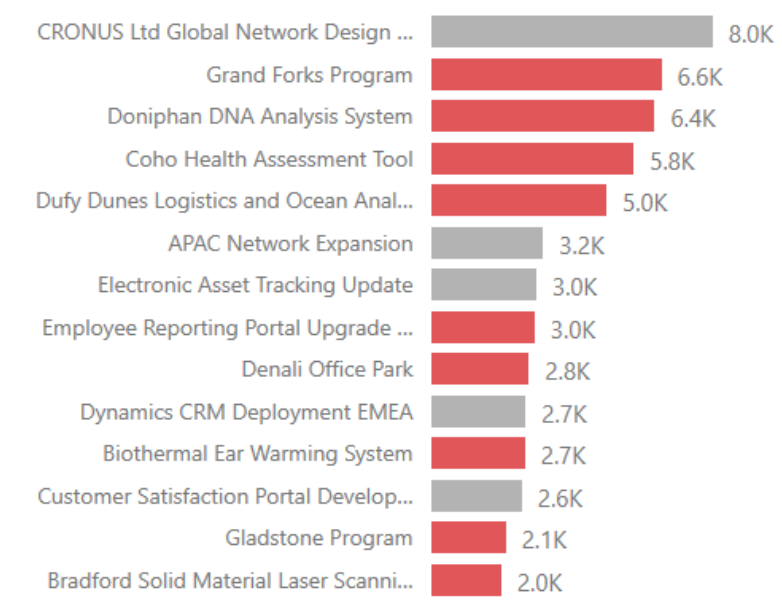
Cost	Work
\$7,500	500
Actual Cost	Actual Work
\$6,988	464
Remaining Cost	Remaining Work
\$512	36
Cost Variance	Work Variance
\$193	-100



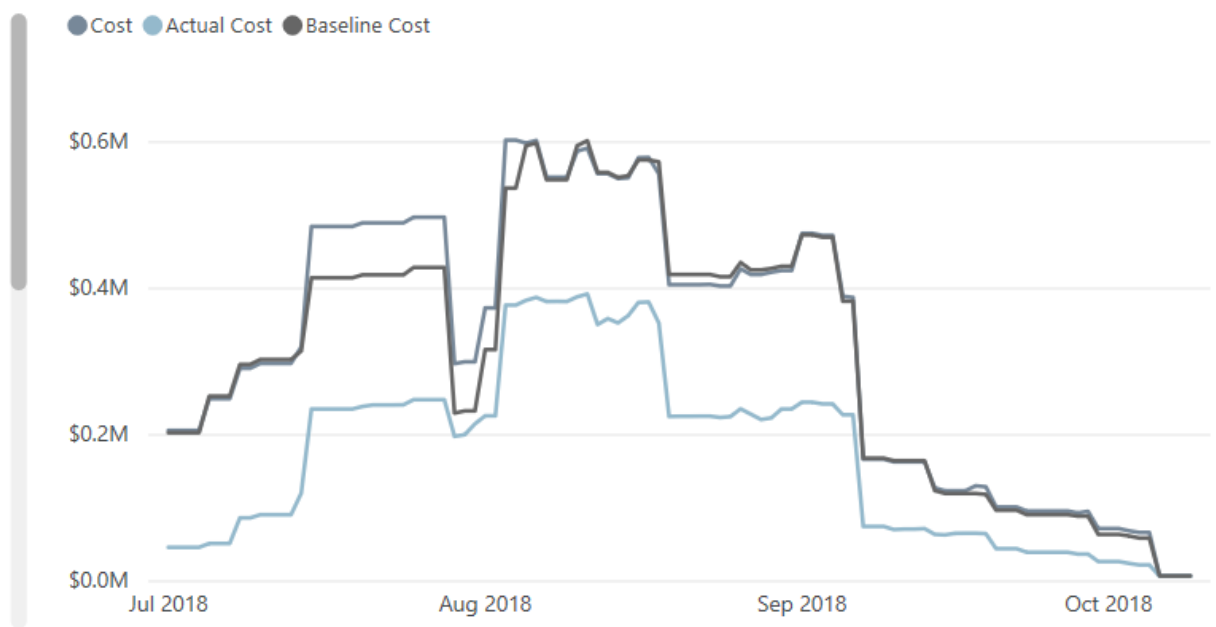
Cost and Cost Variance by Project



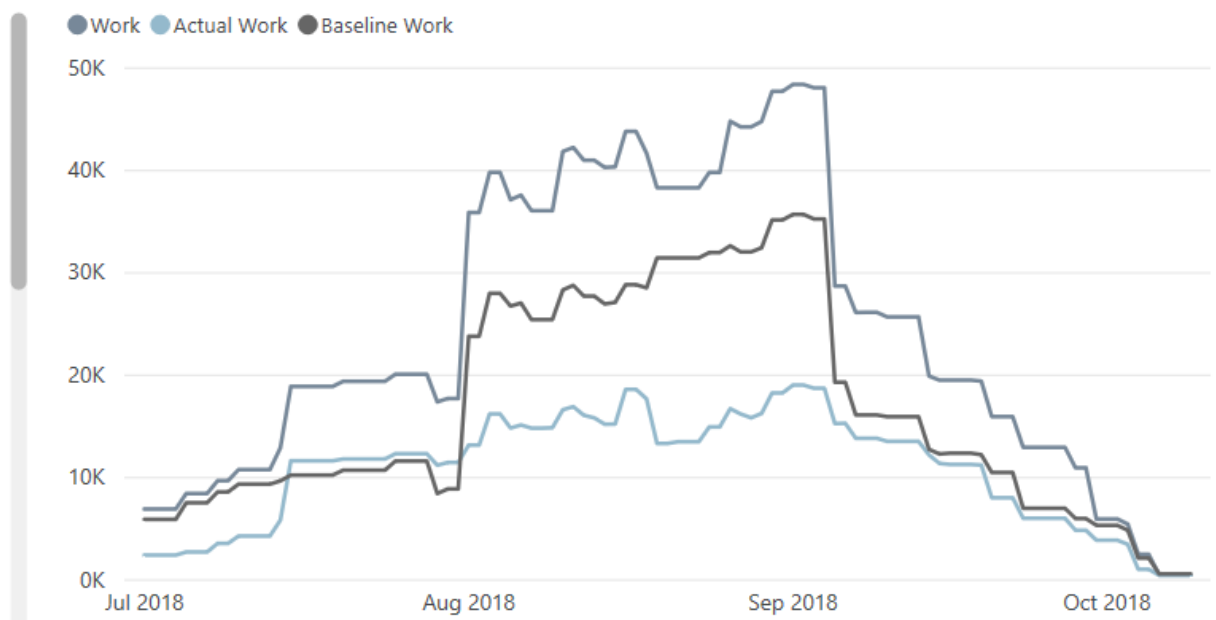
Work and Work Variance by Project



Cost Metrics



Work Metrics



Dynamic Scatterplot Timeline

See how project metrics move over time.

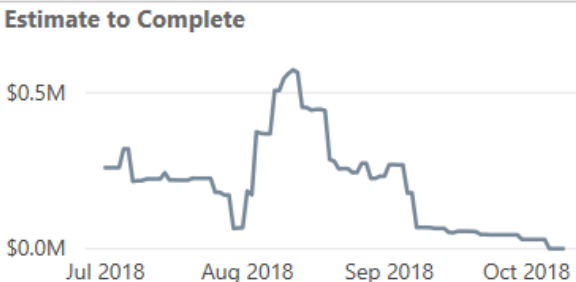
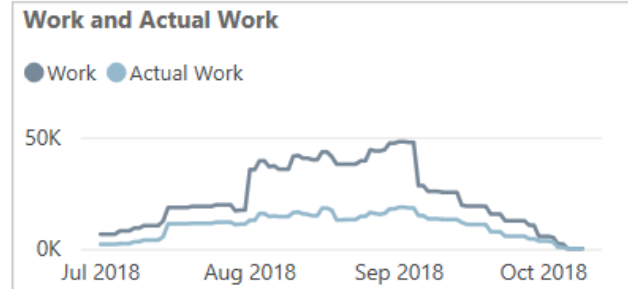
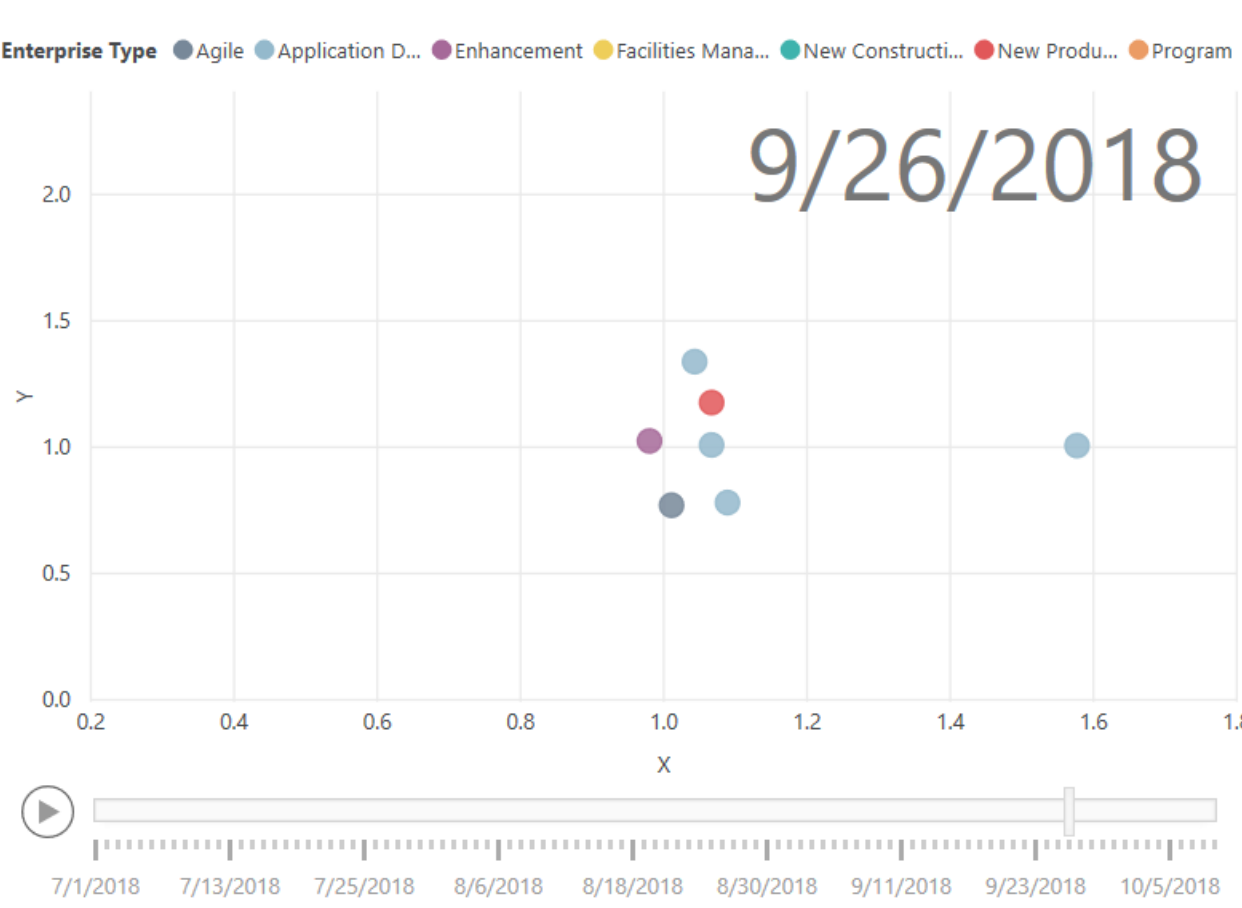
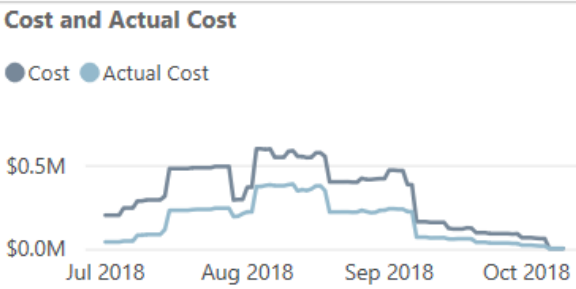


X Value

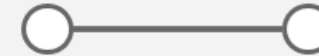
Schedule Performance Index

Y Value

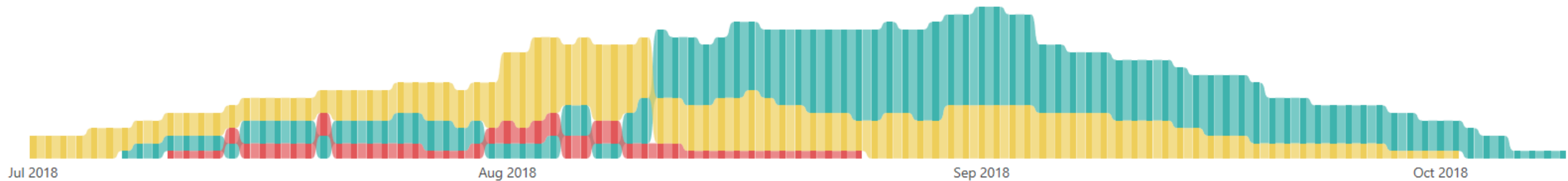
Cost Performance Index



All



Health ● Green ● Red ● Yellow

[illegible]

Agile Project by Sprints

Sprint 1 (Environment Setup)

#1 Confirm Build Server <i>Caleb Word</i>	#2 Create Product Vision <i>Christa Christensen</i>
#3 Define Release Roadmap <i>Christa Christensen</i>	#4 Populate initial Product Backlog <i>Caleb Word</i>

Sprint 2 (Initial Order Details)

#5 Inventory Item Lookup <i>Christa Christensen</i>	#6 Item Name Format <i>Caleb Word</i>
#7 Display On hand Quantity <i>Cristoffer Lorenzen</i>	#8 Accept Order Quantity <i>Caleb Word</i>
#9 Validate Order Quantity <i>Christa Christensen</i>	

Sprint 3 (Confirm Stock)

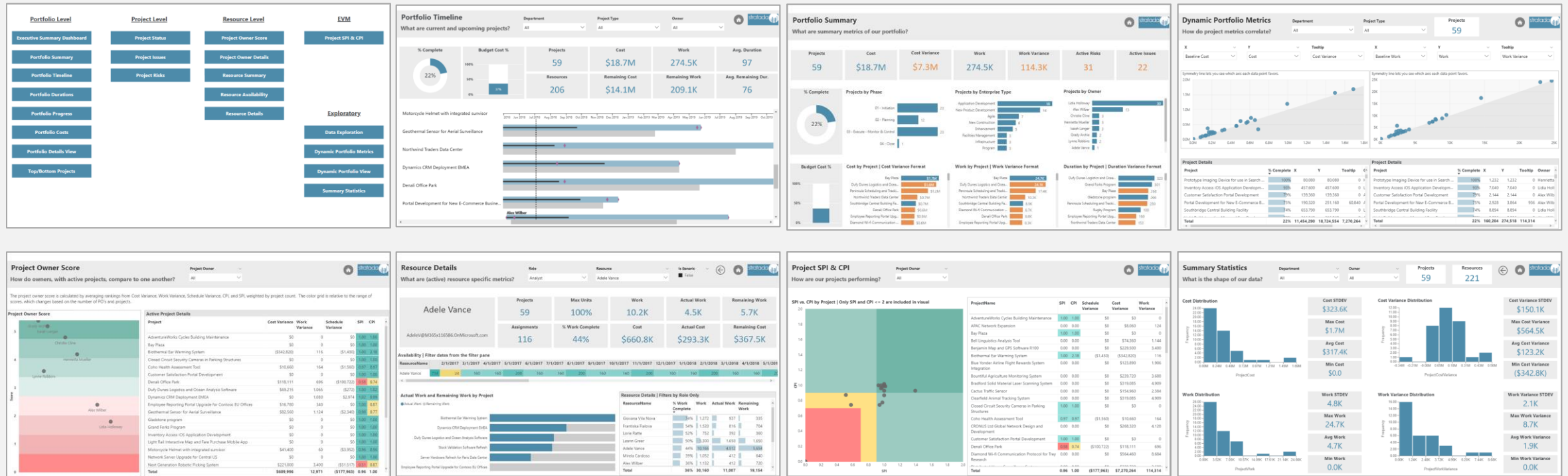
#10 Determine Availability <i>Cristoffer Lorenzen</i>	#11 Deplete Inventory <i>Caleb Word</i>
#12 Create Backorder <i>Cristoffer Lorenzen</i>	#13 Display Order Status <i>Caleb Word</i>

Product Backlog

#23 Show Order as Shipped <i>Resource</i>	#24 Send Confirmation e... <i>Resource</i>
#25 Process Missing Inventory <i>Resource</i>	#26 Send Satisfaction Survey <i>Resource</i>
#27 Order Status Lookup <i>Resource</i>	#28 Process Customer Returns <i>Resource</i>

Stratada Report Pack for Project Online

Stratada Time Intelligence for Project Online



And many more...

Contact us for more information: success@stratada.com | <https://www.stratada.com/contact/>