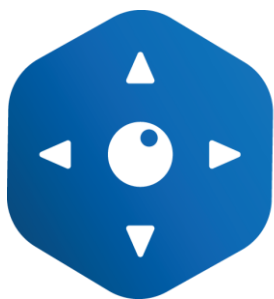




Control 19.7

Release Notes



InEight®
CONTROL

Changelog

This changelog contains only significant or other notable changes to the document revision. Editorial or minor changes that do not affect the context of the document are not included in the changelog.

Rev	Date	Description
1.0	09-JUL-2019	Initial publication

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Release 19.7 summary

In this release of InEight Control, features and enhancements were added that help you more accurately forecast cost and revenue. The addition of Primavera P6 integration allows you to import and share the schedule data with the InEight cloud platform products.

New features summary

- **Primavera schedule integration** – InEight Control now provides XER import functionality to integrate Primavera P6 schedules. [Read more](#).
- **Time-phased cost forecasting** – This feature allows you to automatically distribute remaining costs based on cost curves and start dates/end dates or you can manually override specific dates to change the cost distribution. [Read more](#).
- **Revenue forecasting** – In this release, when the Pay Item billing method is cost plus you can create a revenue forecast based on Billing Rates of a resource. [Read more](#).

Improvements summary

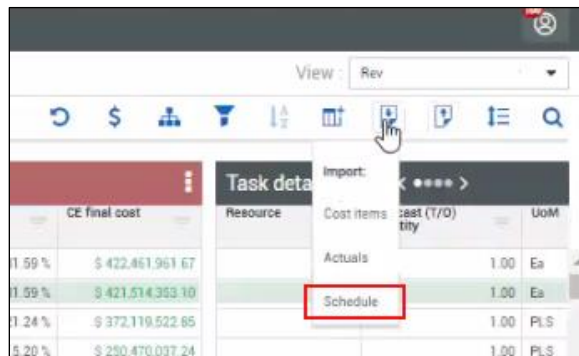
- Revenue management field enhancements in the CBS and Pay Item register.
 - **Columns in the CBS to view your Revenue Forecasting by cost item** – Columns added to the CBS allow you to select a cost item and see the side-by-side the forecasted revenue, earned revenue, and margin.
 - **Manually enter billed revenue amounts** – You can manually enter amounts in the Pay Item register, which can then be used in conjunction with remaining work, based on billable rates, to accurately forecast cost plus revenue and track what has been billed on a pay item.
- Usability enhancements:
 - **Create custom column header labels** – You can change the column headers for tags and user defined fields to be meaningful and apply them at the Organization level.
 - **More flexibility with data block configuration** – When configuring data block you can now show up to 24 columns and the look is similar to the grid format in Excel.

Primavera schedule integration

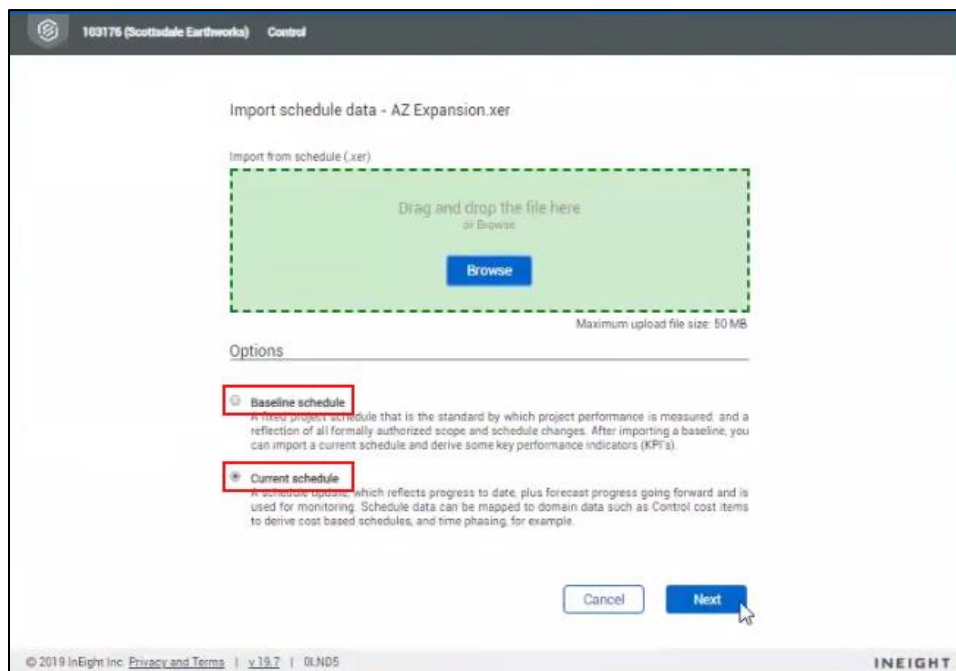
The XER import functionality allows the critical milestones and schedule dates (baseline and current) to be integrated into planning activities within the InEight cloud platform. Schedule IDs in Control are used to map to Primavera Activity IDs to import the project information, then the status of construction activities and progress are fed back to the InEight scheduling tools.

Importing a schedule

After you export the XER file in Primavera, go to Control > **Workspaces**. On the menu bar, select the **Import** icon, and then from the drop-down list, select **Schedule**.



In **Options**, select either Baseline schedule or Current schedule for the schedule type that you want to import. Browse to the location of the XER file that was exported from Primavera.



After the import is completed, you can view and compare the updated schedule dates in the CBS.

AZ Expansion (Contract 12021)

ControlWorkspaces

CBSACS

PAY ITEMS

CHANGE REGISTER

AUDIT LOG

ViewSchedule Compare

Actions

Tasks

CBS position	Description	WBS phase code	Scheduled	Roll up schedule	Schedule WBS	Schedule ID	Schedule plug date	Plug days
11	Financial Results Analysis	1000				HD.0000110		148.80
11.1	Commercial Cost	1020				HD.0000116		0.00
11.1.1	G & A Expense (7.84%)	1025				HD.0000115		0.00
11.1.2	P & F Bond (0.40%)	1027				HD.0000120		0.00
11.1.3	Builder's Risk Insurance	1028				HD.0000102		0.00
11.1.4	Shared Services - Procurement	1029				HD.0000225		0.00
11.2	Direct Shop Expense	1030				HD.0000096		0.00
11.2.1	Job Related Overhead	1031				HD.0000096		148.80
11.2.2	Project Management	1032				HD.0000093		148.80
11.2.2.1	JRO Staff	1033				HD.0000097		148.80
11.2.2.2	PM's and Superintendents	1034				HD.0000102		156.80
11.2.2.3	PE & Engineers	1035				HD.0000094		164.80
11.2.2.4	Equipment Suppl.	1036				HD.0000095		180.00
11.2.2.5	JRO Moves & Subistence	1037				HD.0000119		0.00
11.2.2.6	Minor Move	1038				HD.0000082		0.00
11.2.2.7	Project Management - Substanc.	1039				HD.0000084		0.00
11.2.2.8	Project Management - Substanc.	1040				HD.0000147		0.00
11.2.2.9	Staff Expense	1041				HD.0000090		0.00
11.2.2.10	Job Office Rent	1042				HD.0000091		0.00
11.2.2.11	Office Utilities Including Power...	1043				HD.0000086		0.00
11.2.2.12	Travel Excluding Director or Co.	1044				HD.0000081		0.00
11.2.2.13	JOE - Office Supplies	1045				HD.0000231		0.00
11.2.2.14	JOE - Food/Catering and Partn.	1046				HD.0000293		0.00
11.2.2.15	Operational Support	1047				HD.0000109		226.80
11.2.2.16	Operational Support and Compl.	1048				HD.0000096		226.80
11.2.2.17	OCC Staff	1049				HD.0000043		226.80
11.2.2.18	Safety Manager	1050				HD.0000099		226.80
11.2.2.19	Quality	1051				HD.0000101		0.00
11.2.2.20	Quality Testing Set-Up and Equi.	1052				HD.0000106		0.00
11.2.2.21	Quality Supplies & Consumables	1053				HD.0000107		0.00
11.2.2.22	Quality Third Party Inspection a.	1054				HD.0000463		0.00
11.2.2.23	Environmental Permits - SWPPP	1055				HD.0000648		0.00
11.2.2.24	Survey	1056				HD.0000126		92.00
11.2.2.25	Survey Manager	1057				HD.0000061		92.00
11.2.2.26	Survey Equipment and Supplies	1058				HD.0000804		0.00

Subtotals 521

Baseline

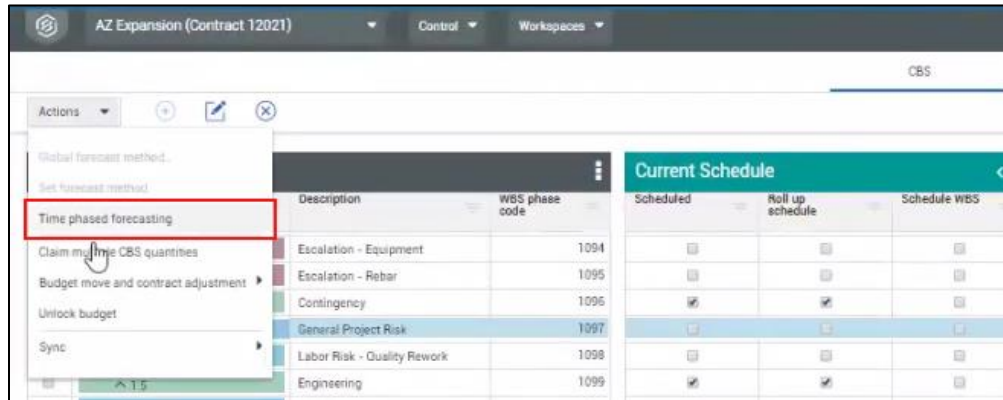
Baseline Start	Baseline Finish	Baseline Early Start	Baseline Early Finish	Baseline Late Start	Baseline Late Finish
06/19/2019	06/19/2019	06/19/2019	06/19/2019	07/20/2028	07/20/2028
06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
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06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
06/19/2019	06/19/2019	06/19/2019	06/19/2019	06/22/2035	06/22/2035
06/19/2019					

Time phased cost forecasting

The new register allows you to specify periods in which to split the remaining cost, split the remaining forecast cost proportionally based on the periods specified, and then allow for manual adjustments to that split cost to complete forecasted values. This allows you to see how accurate your forecast was versus the actuals spent within that period.

Adjusting a cost item forecast value

In the CBS, select the cost items to include, and then go to Control > **Workspaces**. On the menu bar, select **Actions**, and then from the drop-down list, select **Time phased forecasting**.




NOTE:

A setting in Control allows you to show or hide the **Time phased forecasting** in the Actions drop-down menu.

A new register was added that allows you to manually configure the month value of the cost item and time-phase your estimate to complete forecasted values. A message shows that indicates a manual adjustment was made to a cost item.

The screenshot shows the 'Time Phased Forecast' register in the INEIGHT CBS interface. A red box highlights a message: 'Cost item contains manual time phased months AND the previously saved value committed by the other user shall display in the overridden month.' The table below shows forecast data for various cost items across months from June 2019 to December 2019.

Cost item	Forecast method	Forecast remaining cost	Forecast final cost	Phased Forecast Remaining Cost Delta	Jun 19 Cost	Jul 19 Cost	Aug 19 Cost	Sep 19 Cost	Oct 19 Cost	Nov 19 Cost	Dec 19 Cost
1094	Escalation - Equipment	\$ 1,000.00	\$ 1,000.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1,000.00	\$ 0.00	\$ 0.00	\$ 0.00
1095	Escalation - Rebar	\$ 1,000.00	\$ 1,000.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
1096	Contingency	\$ 1,000.00	\$ 1,000.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
1097	General Project Risk	\$ 1,000.00	\$ 1,000.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
1098	Labor Risk - Quality Rework	\$ 1,000.00	\$ 1,000.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
1099	Engineering	\$ 1,000.00	\$ 1,000.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

As new costs come in the percentage profile is retained in the months following based on the changes that were made previously. To revert back to the original value, clear the check box for the cost items, and then click **Auto-distribute**  to complete the change back to the system value. The results of the changes made to the forecast values are shown in the Phased forecast remaining cost delta.

AZ Expansion (Contract 12021)									
CBS ACS PAY ITEMS CHANGE REGISTER AUDIT LOG									
View: Live forecast									
Actions									
Tasks				Task details		Live forecast			
CBS position	Description	WBS phase code	Resource	Forecast (1/0) quantity	UoM	Forecast remaining cost	Forecast remaining man hour	Forecast remaining man hour/unit	Forecast remaining productivity
1.1	Financial Results Analysis	1000		1.00	PLS	\$ 14,678,893.35	52,373.76	52,373.76	1.10
1.1.1	Commercial Cost	1025		1.00	PLS	\$ 1,410,506.62	0.00	0.00	0.00
1.1.1	G & A Expense (7.86%)	1026		13,857.00	KS	\$ 1,090,208.12	0.00	0.00	0.00
1.1.2	P & P Bond (0.40%)	1027		16,957.00	KS	\$ 67,828.91	0.00	0.00	0.00
1.1.3	Builder's Risk Insurance	1028		67.50	KS	\$ 67,500.00	0.00	0.00	0.00
1.1.4	Shared Services - Procurement	1029		30.00	KS	\$ 30,000.00	0.00	0.00	0.00
1.1.5	District Shop Expense	1030		154.97	KS	\$ 154,969.59	0.00	0.00	0.00
1.1.2	Job Related Overhead	1031		416.00	MWk	\$ 1,194,291.60	9,984.00	24.00	1.50
1.1.2.1	Project Management	1032		416.00	MWk	\$ 1,194,133.50	9,984.00	24.00	1.50
1.1.2.1.1	JRO Staff	1033		416.00	MWk	\$ 946,739.10	9,984.00	24.00	1.50
1.2.1.1.1	PM's and Superintendents	1034	1	158.00	MWk	\$ 535,844.65	5,688.00	36.00	1.00
1.2.1.1.2	PE & Engineers	1035	1	208.00	MWk	\$ 290,007.84	2,496.00	12.00	3.00
1.2.1.1.3	Equipment Supt	1036	1	50.00	MWk	\$ 125,883.60	1,800.00	36.00	1.00
1.2.1.2	JRO Moves & Subistence	1037		416.00	MWk	\$ 247,395.50	0.00	0.00	0.00
1.2.1.2.1	Minor Move	1038		5.00	Ea	\$ 12,800.00	0.00	0.00	0.00
1.2.1.2.2	Project Management Substrate	1039		366.00	MWk	\$ 164,700.00	0.00	0.00	0.00
1.2.1.2.3	Project Management - Substrate	1040		171.00	KS	\$ 70,185.50	0.00	0.00	0.00
1.2.2	Staff Expense	1041		561.00	MWk	\$ 1,360.00	0.00	0.00	0.00

Revenue forecasting

On the Pay Items tab, the Forecast Final Revenue column is now available and editable for Cost Plus billing methods, and the new Revenue forecast method column has been added.

For all billing methods, you can manually overwrite the Forecast Final Revenue, which changes the Revenue forecast method to "Manual." By default, the Revenue forecast method uses the pay item's billing method.

103176 (Scottsdale Earthworks)									
CBS ACS PAY ITEMS CHANGE REGISTER AUDIT LOG									
Actions									
Billing methods									
Pay item number	Description	Total price	Forecast Final Revenue	Revenue forecast method	Unit price	Row number	Line number	Pay quantity	Forecast (1/0) Qty
Billing method: Cost Plus									
Provisional Lump -	Provisional Lump Sum - Partnering Facilities	\$ 12,236.00	\$38,425.68	Default	\$ 1,000.00	15	18	12.24	12.24
21-21		\$ 150,000.00	\$200,250.97	Manual	\$ 50.00	26	33	3,000.00	0.00
		\$162,236.00	\$238,686.65						
Billing method: Fixed Final Price									
CCO #17	Track Fasteners & Clips	\$ 601,070.00	\$601,070.00	Default	\$ 1,000.00	19	26	601.07	162.00
CCO #19	152nd Ductbank/Waterline Conflict	\$ 19,000.00	\$19,000.00	Default	\$ 1,000.00	20	27	19.00	29.00
Change Order - 20	162nd Sanitary Sewer	\$ 217,638.00	\$217,638.00	Default	\$ 1,000.00	21	28	217.64	217.64
Change Order - 21	Park Place Tree Trimming	\$ 54,937.00	\$54,937.00	Default	\$ 1,000.00	22	29	54.94	54.94
Change Order - 11	Add ST Conference Room	\$ 17,864.79	\$17,864.79	Default	\$ 1,000.00	23	30	17.86	17.86
Change Order - 06	Conduit for Smartcard Readers	\$ 16,336.24	\$16,336.24	Default	\$ 1,000.00	24	31	16.34	16.34
Change Order - 05	Conduit for Smartcard Readers	\$ 11,000.00	\$11,000.00	Default	\$ 1,000.00	25	32	11.00	11.00
CCO #21	Pier Cap Modifications	\$ 100,000.00	\$100,000.00	Default	\$ 200.00	28	35	500.00	500.00
		\$1,037,846.03	\$1,037,846.03						
Billing method: Unit Price									
001	All Work of this Contract excluding Items 2...	\$ 221,856,088.00	\$221,856,088.00	Default	\$ 1.00	1	1	221,856,088.00	221,856,088.00
Change Order - #...	Change Order 001 Provisional Sum for CN...	\$ 21,719.72	\$50,001.00	Default	\$ 1.00	11	11	21,719.72	50,001.00