



Advanced Projects CEC™
for Civil Engineering and Construction

Enterprise Project Portfolio Management for Microsoft Dynamics AX



CEC - Civil Engineering & Construction

Advanced Projects CEC delivers mission critical capabilities specifically designed for civil engineering and construction companies. Extending the horizontal ERP capabilities of Dynamics AX, Advanced Projects CEC is a one-stop solution that will improve operational efficiency, reduce IT costs and increase your customer satisfaction level as well as your bottom line.

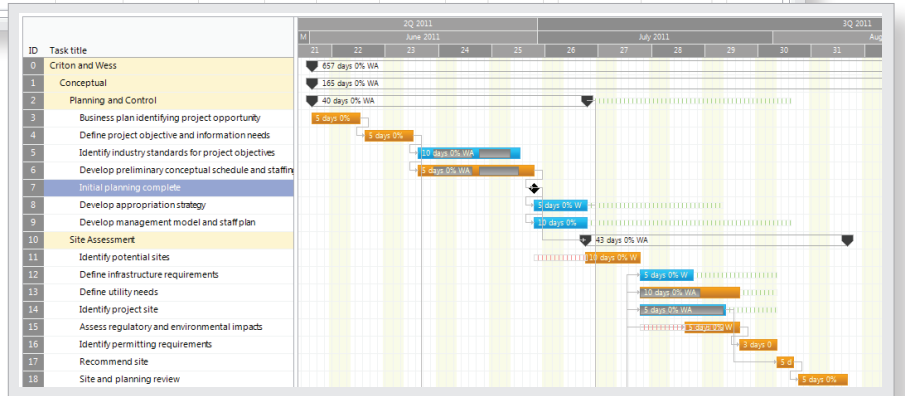
With Advanced Projects, project driven companies can sell, plan, execute, optimize and analyze projects in a single integrated application.

BENEFITS

- Reduce total cost of ownership by consolidating all critical business processes in a single integrated application.
- Improve quote accuracy and reduce your sales cycle
- Optimize manpower & equipment utilization
- Optimize resource allocation across the project portfolio
- Facilitate project team member collaboration
- Improve project visibility into budget variance and financial performance.
- Effective management of contract variations and budget revisions
- Maintain a lean inventory with just in time deliveries aligned with project schedules
- Manage costs and reduce budget overruns
- Monitor and track project; milestones, issues and risks

(Project portfolio business dashboard)

Project	Name	Contract value	Approved budget	Current budget	Actual cost	Committed cost	Completion %	Variance	% variance	% approved margin	% current margin
1000	3M-Engineering	60,000	37,460	37,460	0	0	0.00	0	0.00	37.57	37.57
1001	Birch Company	164,578	101,800	46,000	106,000	0	100.00	(55,800)	-54.81	38.14	72.05
1002	BKI Group	56,400	36,660	36,660	0	0	0.00	0	0.00	35.00	35.00
9005	Reinhart Inc.	18,000	11,400	11,630	2,350	0	20.21	230	2.02	36.67	35.39
9006	Crane & Son	69,972	45,240	48,635	28,355	0	58.30	3,395	7.50	35.35	30.49
9009	ABC Consulting	143,000	71,380	71,210	10,630	0	14.93	(170)	-0.24	50.08	50.20
9015	Top Top Systems	218,650	141,950	124,700	8,150	16,500	6.54	(17,250)	-12.15	35.08	42.97
9016	Wattlands Crafts	270,000	168,553	185,858	39,600	0	21.31	17,305	10.27	37.57	31.16
9022	Calson and Wess	422,000	262,800	335,800	0	0	0.00	73,000	27.78	37.73	20.43
9023	Hydro Tech	398,000	258,710	248,810	48,360	0	19.44	(9,900)	-3.83	35.00	37.48
9034	Adeca	287,000	185,972	191,996	64,078	7,700	33.31	6,024	3.24	35.20	33.10
9040	Pandora	219,000	136,000	161,000	42,500	0	26.40	25,000	18.38	37.90	26.48
Total		2,326,600	1,457,925	1,499,759	0	0	0.00	41,834	2.87	37.34	35.54

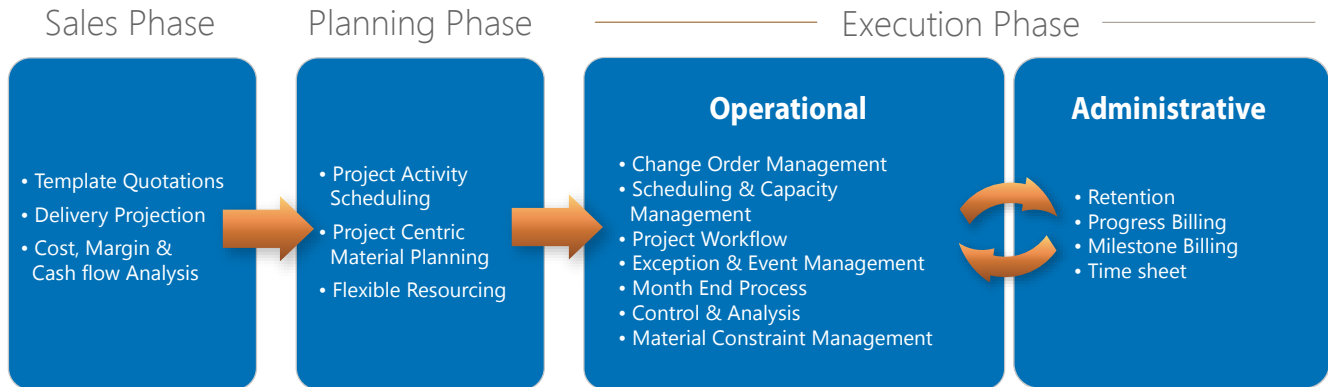


Advanced Projects CEC is an enterprise project and portfolio management (EPPM) solution for Microsoft Dynamics AX and civil engineering and construction companies. The solution delivers best in class capabilities focused on the following project disciplines:

- Project Management
- Project Resource Management
- Project Billing
- Project Costing
- Project Analytics
- Project Portfolio Analytics
- Project Collaboration
- Project Supply Chain

Civil engineering and construction companies are faced with the challenging task of managing large and complex projects, often with a low degree of project repeatability.

At its core the project management task can be summarized by five critical project components; time, costs & budgets, materials, resources and deliverables. With full project life cycle support Advanced Projects CEC provides a single consolidated solution that enables you to effectively manage all critical project components, operational as well as administrative.



CAPABILITIES

Project management

- Project quotation and pipeline management
- Rich work breakdown structure (WBS)
- Finite and infinite project scheduling
- Inter-company scheduling
- Rich Gantt chart
- Milestone management, gateway review and risk management
- Issue management

Project resource management

- Capacity and capacity constraint management
- Skill and availability based resource selection
- Track and monitor resource overload and scheduled delays

Project costing

- Change order management and budget revisions/transfers
- Extensive WBS driven cost and variance analysis
- Cost to complete

Project billing

- Milestone billing with invoice notification based on payment milestone completion

- Progress billing (completed work/budget consumption)
- AR retention

Project analytics

- Earned Value Management
- Sensor point analysis (Operational project KPIs)
- Cash-flow analysis

Project portfolio management

- Portfolio resource optimization
- "What if" simulation scheduling
- Project portfolio business dashboard

Project collaboration

- Automatic resource notification via WBS driven project workflow
- Task status and remaining work reporting
- Task exception management
- Web based timesheet

Project supply chain

- Material constraint management
- Project driven MRP



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For more information about Advanced Projects® for Microsoft Dynamics AX, please visit www.adeaca.com