

managed
services

application
solutions

technology
staffing

A National Leader of Premier IT Solutions

Devon Canada

**IT Services in Connection with the Utilization of
Primavera Software and Products**

Overview

- Introduction
- Jackfish Overview
- Project Controls Overview
- Use of Primavera in Thermal Heavy Oil group
- Results and Benefits

Partners Consulting



Partners Consulting has over 500 consultants, with headquarters in Buena Park, CA, and operations across the US. Our combined experience of delivering high-quality solutions to our clients spans over 25 years. We offer a wealth of knowledge and expertise that can be leveraged for our over 150 clients.



www.partnersconsulting.com

managed services

application solutions

technology staffing

Primavera Solutions Clients

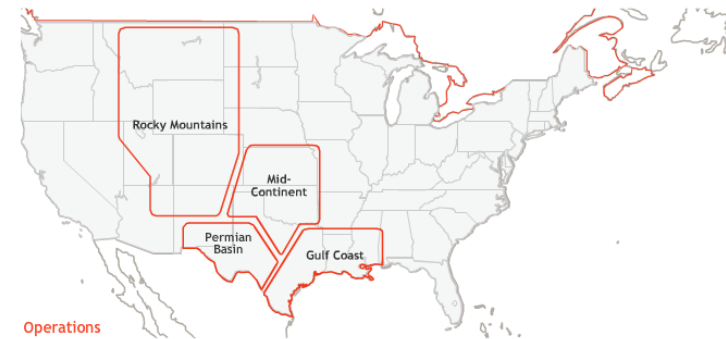
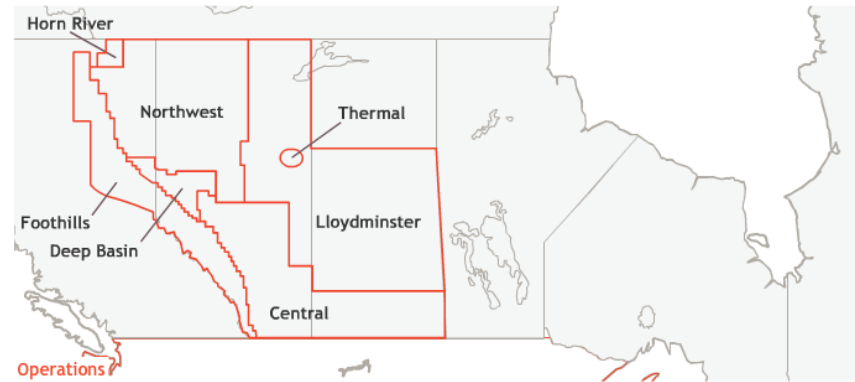


Los Angeles Unified School District
Today's Learners, Tomorrow's Leaders



ValleyCrest
Landscape Companies





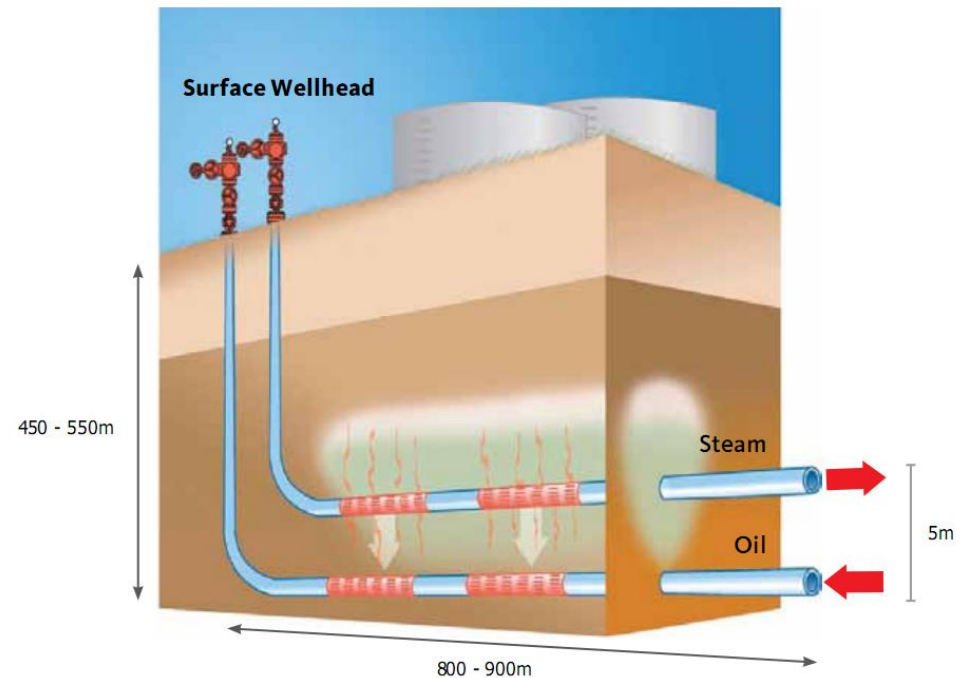
Devon Energy Corporation is a leading independent natural gas and oil exploration and production company. Devon's operations are focused onshore in the United States and Canada. Devon also owns natural gas pipelines and treatment facilities in many of their producing areas, making them one of North America's larger processors of natural gas liquids.

Fortune Magazine Rates Devon:

- Fortune 500
- 100 Best Companies to Work For
- Most Admired Companies

Jackfish Program Overview

The Jackfish Program is a series of facilities by Devon Canada using Steam-Assisted Gravity Drainage (SAGD) to extract oil from bituminous sands. The facilities are located near Conklin, Alberta.



The Jackfish facilities are being built one at a time over the course of several years. As each is built, new lessons are learned and best practices are established so that the process becomes more efficient with each iteration.

The Project Controls Suite Optimization project was created with the goal of bringing together lessons learned and turning them into tangible practices. Oracle Primavera Contract Management, Project Management P6, and Oracle Database Technology are key to achieving these goals.

Program Timeline

Jackfish 1, 2004-2007

External contractor hired to manage construction, allowing Devon to focus on mastering the engineering and technical challenges in building the plant. P6 schedules mixture of internal and external groups.



Jackfish 2, 2007-2010

Project Management brought in-house to Devon's Thermal Heavy Oil group. Primavera Contract Management utilized to manage Budgets, Changes, and Committed Costs, Primavera P6 managed entirely by Devon. Primavera consultants were brought on board to help streamline processes based on lessons learned on Jackfish 1.

Jackfish 3, 2010-2013

Contract Management integrated with a number of external systems and customized so that it provides a solid system of record for analyzing project costs. Pertmaster is brought in for risk analysis.

Other programs, 2010+

In 2010, other Thermal Heavy Oil projects were added to handle district-related work, and a Thermal Heavy Oil project was added to handle non-Jackfish costs.

Project Controls



Estimate

What do we think it will take to do the work?

Funding

Where do we get the money to spend? (Authorization for Expenditure)

Budget

What do we intend to spend? How much cash will we need and when?

Commitment

What are we spending and how? What work needs to be done? What vendors will we choose? What are the terms of our contracts? How do we manage change?

Actual

What did we spend? Does it match our plan? How could we spend/measure better?

Incurred

How much are we in for?

How do we take standard best practices, combined with lessons learned, and turn them into technology implementations and best practices as the portfolio evolves?

Project Controls Optimization Phases

Phase 1

- Assess existing systems and develop road map for Project Control Optimization
 - existing software and capabilities
 - security templates and user roles
 - change management processes
- Implement solution for entering Commitments and Change Orders
 - handle multiple currencies
 - link to AFEs
 - enforce business rules and processes
 - layout optimized for Devon

Phase 2

- Implement Incurred Costs
- Integrate Actual Costs
- Tie in with new Purchasing system
- Implement Pertmaster for risk analysis

Phase 3

- Capture pre-construction costs on new projects
- Addition of estimating and forecasting capabilities
- Scope continually revised as lessons learned

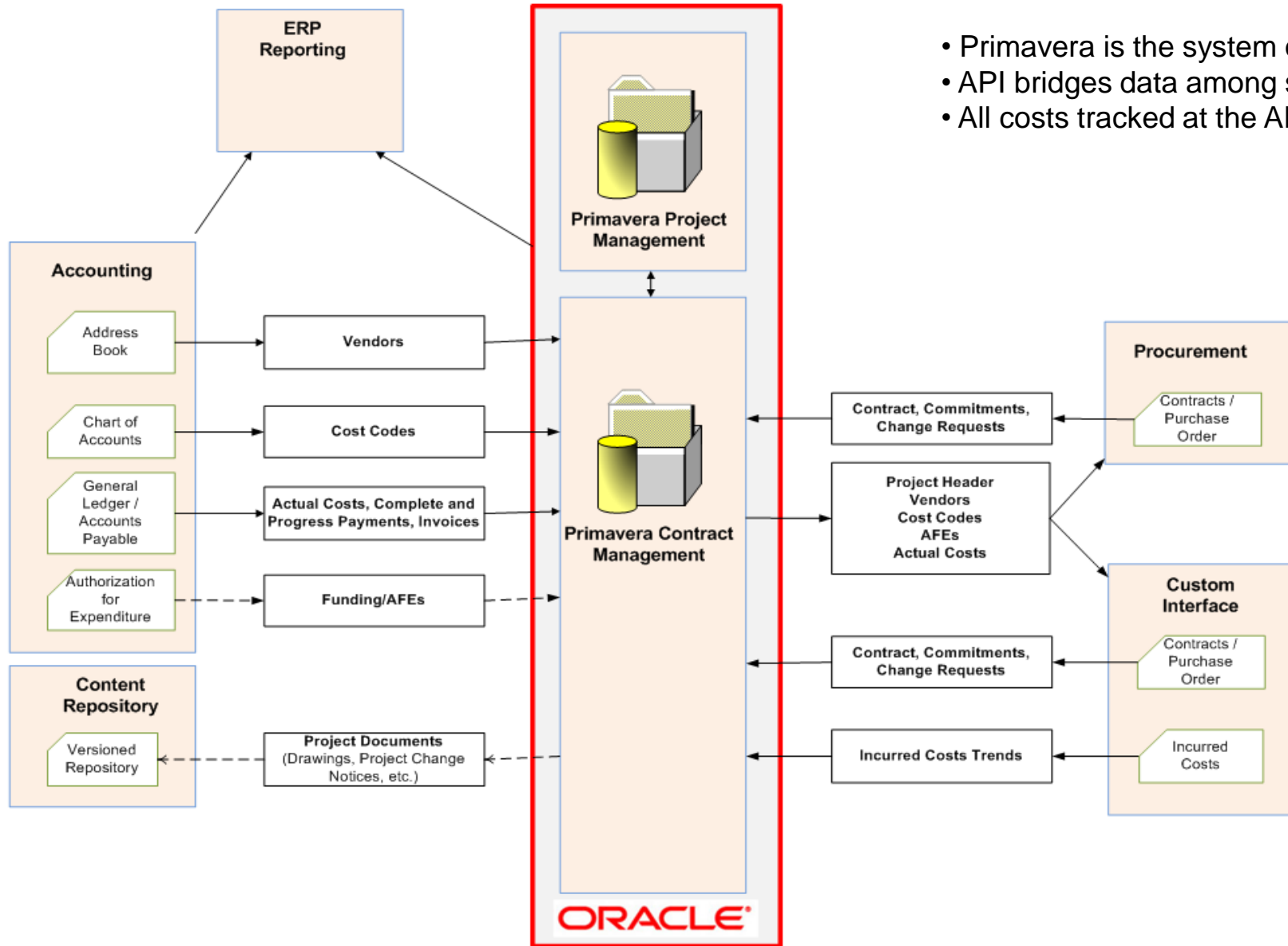


P6 Project Management



- Over 100,000 activities managed
 - From Site Survey to Commissioning
 - Many long-lead procurement items
 - Airstrip and roads!
- Certain items are tracked down to the nuts and bolts level
- Facility lifetime 20-25 years, with lines and pads continually being built

Project Costs Ecosystem



- Primavera is the system of record
- API bridges data among systems
- All costs tracked at the AFE level

Tangible Benefits

Reduced staff plan by one administrative head count per thermal development program (i.e. J1, J2, J3...)

More accurate reporting leads to less time required by project controls team to identify discrepancies

Able to provide oversight for concurrent capital projects which was not previously possible given current accelerated thermal program schedules

=> Cost savings approximately \$240k/year CAD (Phase 2)

Conclusion

- Oracle Primavera Contract Management and Project Management P6 are key components to manage project complexity, and ensure on-time, on-budget delivery
- Flexible architecture allows Devon to interface Oracle with other 3rd-party products and solve business needs
 - Benefits realized utilizing API
 - Time savings entering data
 - Increased data integrity allows for automated and streamlined business processes
- As new projects come online, they can be placed within the current framework – no “re-inventing the wheel”

Thank you!

Questions or comments?



For more information contact:

Daniel Williams DWilliams @PartnersConsulting.com

Alan Vidal AVidal @PartnersConsulting.com