

DEREK MCAULEY

Consultant



Derek McAuley is an energy industry project controls expert with well over 30 years of experience in mega projects and capital portfolio management. He has successfully implemented project controls system for both nuclear and fossil projects. He has managed Project Controls department with over 20 staff.

EXPERTISE

- ▶ Project Management
- ▶ Project Controls
- ▶ Schedule Integration
- ▶ Earned Value Standards
- ▶ Project Key Performance Indicators

33+ YEARS OF EXPERIENCE

EXPERIENCE

Derek McAuley is an energy industry project controls expert with over 33 years' experience in mega projects and capital portfolio management. He has successfully implemented project controls system for both nuclear and fossil projects. He established the \$1B Pickering Safe Storage project controls program; this included developing the project Work Breakdown Structure and integrating it with the ONFA estimate structure. He established the Safe Store project life cycle baseline for 2018 to 2028. McAuley has successfully integrated P6 with EcoSys for cost control and earned value reporting. McAuley was also responsible for the initial set up of the scheduling structure for the \$12B Darlington Refurbishment program.

PAST POSITIONS

PROJECT CONTROLS MANAGER

Safe Storage, Pickering A

2017-2018

- ▶ Established the Project Controls program for \$1B Safe Storage Project.
- ▶ Developed the Project Work Breakdown Structure.
- ▶ Integrated the Project WBS on the ONFA structure to better manage the project and to eliminate reporting against two different structures.
- ▶ Adjusted the Safe Store estimate to accurately represent the total cost.
- ▶ Baselined the P6 project life cycle plan from 2018-2028.
- ▶ Executed weekly level 3 schedule monitoring process to manage design deliverables.
- ▶ Implemented EcoSys with the integration of P6 for cost and earned value reporting.

MANAGER SCHEDULING

Darlington Refurbishment

2009-2017

- ▶ Responsible for setting up the scheduling standards for the \$12.4B Darlington Refurbishment project. This integrated all vendors, sub vendors and OPG(owner) schedules in one instance of P6, (over 100,000 activities) at level 3.
- ▶ Developed IT integration tools to track progress and manage scope and quality.
- ▶ Established a standard program and project Work Breakdown Structure incorporating the different contract strategies and scope bundles. The WBS is now a corporate wide standard for all Nuclear and Sustainable Energy Projects in OPG.
- ▶ Developed an Earned Value Management program based on hours, commodities and deliverables to consistently track vendor and owner progress.
- ▶ Directed a team that successfully developed the approved Release Quality Estimate schedule. This RQE schedule was approved by the Board of Directors and Provincial Government. It encompassed P37, P50 and P90 duration versions for managing schedule contingency and risk. Framework for standard milestones was created for consistent tracking of vendor deliverables. P6 baselines and change control processes were also developed to manage change in vendor contracts and scope.

PROJECT CONTROL SECTION MANAGER

Projects & Field Engineering, Pickering

1997-2009

- ▶ Developed a Master Modifications List for tracking of all Capital, OM&A, & IIP projects.
- ▶ Developed an on-line database for producing Project reporting Data Sheets. This integrated P6 with the in-house costing system to report the program and project KPI's for senior management.



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- ▶ Developed Project integration process for incorporating project work with Station Outages and On-line work.
- ▶ Developed Project Management standards for the Non-Outage Projects Department.
- ▶ Implemented templates for Work Breakdown Structures and P6 Project Schedules based on the OHN Project Management Process.

PROJECT PLANNER

Bruce Power, Bruce A

1994-1997

- ▶ Prepared, maintained and monitored planning and control documentation such as level 2 schedules, estimates, forecasts, project execution plans, etc. for multi-disciplinary project teams.
- ▶ Conducted studies to identify alternative methods of performing project goals which lowered the cost of the Airlocks Upgrade project by \$5M.
- ▶ Provided planning, scheduling and cost control for Bruce A Capital and OM&A projects.
- ▶ Responsible for work order maintenance and monitoring progress through Tempus, View Point and Primavera.

SENIOR COST SPECIALIST

Design and Construction Branch

1992-1994

- ▶ Provided scheduling, estimating and cost engineering to the Fossil Business Unit and its customers.
- ▶ Responsible for maintaining, monitoring and forecasting of the Lennox GS Construction Cost Centre.
- ▶ Prepared variance analysis summaries, review of variances and work order maintenance.
- ▶ Implemented the cost recovery model for Thermal ENCON.

SENIOR CONSTRUCTION TECHNICIAN

Scheduling/Cost, Pickering

1990-1992

- ▶ Performed construction project scheduling, cost control, analysis and estimating for various Thermal sites.
- ▶ Organized and completed budgets and business plans for Thermal Capital Projects.
- ▶ Team leader of a Quality Improvement Team to develop and implement commodity reporting for Thermal Construction.

CONSTRUCTION TECHNICIAN SCHEDULE/COST

Pickering

1988-1990

COSTING TECHNICIAN

Darlington Construction

1986-1988

FIELD TECHNICIAN II CIVIL

Darlington Field Engineering

1984-1986

EDUCATION

Civil Technology – Seneca College of Applied Arts and Technology

1983

Advanced Primavera

PROFESSIONAL MEMBERSHIP

Project Management Institute (PMI)

Nuclear Primavera User Group (NPUG)

Nuclear Security Clearance