

Mark Arnone, P.Eng

SUMMARY

Mark is a seasoned Senior Project and Construction Executive, currently Vice President, Aecon Nuclear and Bremar Construction Ltd. an Aecon Construction Inc. company. He is responsible for delivering maintenance and electrical construction support within the nuclear and non-nuclear power and industrial sectors. He is accountable for management of all aspects of the Nuclear Maintenance groups as well as Bremar Construction Ltd. Mark has spent more than 30 years working in the nuclear industry with a proven track record of delivering projects, building strong teams, executing large work programs safely, on time and on budget. Mark is well respected within the construction industry and enjoys strong relationships with the trade unions and project professionals.

PROFESSIONAL EXPERIENCE

Aecon Nuclear

April 2020 - Present

Vice President Nuclear Maintenance

- Manage the nuclear maintenance operations at both OPG and Bruce Power nuclear plants
- Responsible for delivering on customer expectations through execution rigor and effectiveness
- Accountable for the performance of the maintenance business to meet financial, safety and quality goals and targets
- Responsible all company financials from business plan development through P&L including goals, stretch targets and KPI's
- Responsible for business development and growing the maintenance portfolio

Bremar Construction Ltd. an Aecon Company

July 2014 – Present

Vice President and Officer of the Company

- Developed a specialized electrical construction company within the Aecon framework to support the nuclear and conventional power and industrial sectors.
- Negotiated union agreement, developed all company specific processes and procedures, established offices and infrastructure to support multiple sites.
- Accountable for attracting and maintaining staff including Project Management, Quality Assurance, Safety, trades supervision and trades.
- Responsible all company financials from business plan development through P&L including goals, stretch targets and KPI's
- Responsible for business development and growing the company
- Accountable for the performance of the business to meet financial, safety and quality goals and targets.

Ontario Power Generation, Darlington Nuclear

May 2010 – June 2014

Vice President, Refurbishment Execution

- Accountable for Project Management and Field Execution of a multibillion dollar, multi-year nuclear refurbishment program at the Darlington Nuclear Power Plant.
- Negotiated all of the major contracts, utilizing an Engineer Procure Construct delivery model with a unique Target Price/balanced risk share model. The largest of which may exceeded \$3B and is the largest contract in OPG's history.
- Attracted, developed and retained a high performance team to execute the program using an EPC

delivery model, first of a kind for OPG Nuclear.

- Developed and implemented new project management techniques, framework and governance to align with the EPC delivery model.
- Successfully negotiated all labour agreements, both internal and external to the organization, to support the duration of the program.
- Developed and implemented financing and insurance strategies to support the program.
- Identified, quantified and developed mitigating strategies for risks on the program.

Ontario Power Generation, Nuclear

2002- 2010

Director, Projects and Modifications

- Accountable for developing and implementing the Project Management Division for OPG Nuclear in response to the OPG Review Committee report prepared by The Honorable John Manley and the earlier report from KPMG LLP. Findings included: Project Performance identified as poor, lacking proper controls, well below industry standards, not forecasting costs and not getting the work done.
- Organization consisted of senior project managers, project engineers, field engineering and contract management which managed multiple Architect/Engineering and construction vendors working across 3 sites. Total work force in excess of 500 peaking at over 1000.
- Successfully delivered over 500 projects worth over \$3.5 Billion across 3 nuclear sites
- Safety Performance had an All Injury Rate of less than 0.5/200,000 hours. The Division was over 5 years without a Lost Time Accident with over 7M hours in the field.

Ontario Power Generation, Nuclear: delivering complex projects in the nuclear industry. 1990 - 2002

Project Manager

Canada Wire & Cable Ltd.: maintaining 24/7 operation in the production of wire and cable. 1988 –1990

Project Engineer

Lovat Tunnel Equipment: building major equipment for underground development

1986 - 1988

Project Engineer

EDUCATION

- **Lakehead University (1986) Bachelor of Engineering Degree - Mechanical Engineering**
- **Senior Nuclear Plant Manager Training Program (2006)**
- **The University of Texas at Austin (2010) Executive Leadership Program**

PROFESSIONAL AFFILIATION

- **Professional Engineers of Ontario (1988)**
Currently a registered Professional Engineer in Ontario in good standing
- Executive Advisor to New Brunswick Power, mission to improve Project Management and delivery of projects on time and budget, 2018
- Advisor IAEA (International Atomic Energy Agency) Vienna, Austria
2016 Mission to Vietnam to advise the government on methods and contracts for construction in the nuclear environment
- Member, Board of Advisors, the Construction Industry Institute, Austin Texas USA (2010-2016)
- Member, Board of Directors, BuildForce Canada, Ottawa (2014-2015)
- Member, Board of Directors, Electrical Power Systems Construction Association, Toronto (2014)