



Exponent®
Engineering & Scientific Consulting

Matt Grant, P.E.

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Professional Profile

Mr. Grant has over twelve years of experience in the execution of capital projects with a heavy concentration in large projects in the oil, gas, and energy industries. His skills include project management, program management, field supervision, project engineering, estimating, project controls, planning, scheduling, and project management software implementation.

His project experience includes refineries, natural gas processing plants, LNG facilities, combined cycle power plants, petrochemical facilities, offshore oil platforms, offshore wind, module fabrication for onshore and offshore facilities, industrial manufacturing facilities, and infrastructure projects.

Prior to joining Exponent, Mr. Grant worked as a consultant on capital projects where he advised clients on project cost and performance issues. He focused on leveraging client project data to draw insights used for contractor selection, budgeting, contract delivery method decisions, contract negotiations, and performance analysis.

Prior to consulting, he worked for ten years at a construction and engineering company in various positions where he was directly involved in all phases of a project's life cycle with a focus on projects in the oil, gas, and energy industries. He became a company expert in utilizing project data for use in project management decisions on a wide range of issues related to schedule, productivity, procurement, labor, and cost.

Academic Credentials & Professional Honors

M.S., Civil Engineering, The Ohio State University, 2012

B.S., Civil Engineering, The Ohio State University, 2009

Licenses and Certifications

Professional Engineer Civil, Texas, #152082

Academic Appointments

Graduate Teaching Associate, Engineering, The Ohio State University, 2010-2012

Prior Experience

Solution Manager, McKinsey & Company, 2021-2023

Project Controls Manager, Kiewit Corporation, 2019 – 2021

Project Engineer, Kiewit Corporation, 2016 - 2019

Field Engineer/Cost Engineer, Kiewit Corporation, 2011 - 2016

Project Experience

Petrochemical – Ethane Cracker and Polyethylene Units

Lead estimate validation efforts for advising owner on how to best manage project risk through a mix of negotiation levers to use with contractors and recommendations for best contract delivery methodologies to address inflation issues affecting labor, material, and freight costs. Developed probabilistic models for cost and schedule assessments that were compared to industry benchmarks.

Renewables – Offshore Wind Generation

Lead all planning efforts for engineering, procurement, fabrication and installation of an offshore wind substation which required the coordination of multiple companies spread across different countries.

Performed cash flow analysis that team leveraged to ensure payment milestones terms aligned with a positive cash flow during project execution.

Oil & Gas – Module Fabrication

Implemented new project management software system used for cost tracking/forecasting, quantity installation tracking, earned value management, field crew productivity, schedule integration, change management, and project reporting. This required direction and training of multiple project teams on how to set up and use new system as they switched over from legacy systems.

Oil & Gas – Refinery

Directed field crews in the installation of mechanical and piping systems for a new hydrogen reformer unit inside an operating refinery. Provided field engineering solutions to engineering design scope gaps that met strict structural and fire permitting requirements for the State of California. Specifically, developed support details and hydro testing procedures for permitting compliance needed for piping systems in accordance with ASME B31.3 requirements that were not part of original design scope.

Oil & Gas – LNG

Directed field crews in the installation of process piping and fire control systems for liquefaction and gas processing units within existing LNG facility. Responsible for compliance to engineering drawings and quality control testing requirements (ASME B31.3 and NFPA) while monitoring productivity requirements needed to meet schedule. Orchestrated remaining work completion for sub-system handovers to support commissioning schedule requirements.

Power Generation – Combined Cycle Power Plant

Lead the installation, testing, and commissioning of fire and gas detection systems for a combined cycle power plant in accordance with NFPA requirements. Designed field routing of fiber optic network from

new fire panels through existing facility to main control room due to scope gaps in how system interfaced with existing facility in original engineering design. Directed field work to ensure system turnover supported operations team requirements for starting up steam and combustion turbines.