



# Mohammad Naraghi

System Completion & Commissioning Senior Planner - Kazakhstan

📍 Sydney NSW, Australia

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## Links

 [LinkedIn](#)

## Languages

English

French

Russian

## About

21 years international experiences:

- 6 yrs in Australia (Sydney) as a Senior Project Planner / Planning Engineer / PMO Scheduler / Forensic Planner
- 9 yrs in Kazakhstan (Tengiz, Atyrau, Aktau, Astana, Almaty) as a Lead Project Planner/Lead Commissioning Planner
- 1 yr in the Middle East GCC Oman (Muscat) as a Site Based Senior Tender Planner/Project Controls Manager
- 5 yrs in IRAN - as a Quantity Surveyor / Scheduler / Field Planning Engineer / Lead Project Planner/Project Manager

In Sectors/industries:

- Oil & Gas
- Energy
- Construction
- Power-Electrical
- IT & ICT
- Project Management

My career began as Quantity Surveyor & Site Engineer then I moved to Scheduling, Planning & Project Controls & have gained over 21 yrs international experiences in Project Controls & implementation of multidisciplinary Buildings, Roads, Infrastructures, Oil & Gas, IT and ICT projects. I have been exposed to most facets of project delivery from feasibility & tender phase through to commissioning & handover. Assisted by a credible amount of site experience in Central Asia (CIS countries Kazakhstan), Middle East & Australia, I gained a thorough understanding of Project Management, Engineering, Procurement, Construction Process and associated Project Controls disciplines of Planning, Estimating, Quantity Surveying, Cost Control and Document Control Analysis. My most recent role is Lead Planner for Chevron based in Tengiz oil field in Atyrau in Western Kazakhstan.

Skills:

- Project controls disciplines of estimating, quantity surveying, scheduling, planning, cost control
- Analyze Delays & Extension of Time (EOT) Claims
- Full knowledge of all phases of projects from Tender through Construction, Commissioning and Operation
- Establish Master, Intermediate and Detailed Schedules in Primavera P6 and Microsoft project.
- Establish Detailed Work Breakdown Structures (WBS) , Cost Breakdown Structures (CBS),
- Prepare of progress reports including tables, graphs, resource histograms, s-curves, earned value (EV)/cash flows
- As-built schedules to assess delays to support claim
- Prepare short and long-term resource allocation plans based on input from all key players and team members
- Provide "what if" scenarios and Critical Path Analysis (CPA)
- Reporting
- Identify changes in work scopes & variation
- Monitor and analyze KPI's
- Manage planning and controlling meetings and being able to bring together all the project parties and discipline
- Identify trends, variances and proposing options for mitigation
- Full understanding of contract, scope, drawings, specifications & procedures

BRANDS WORKED WITH

Dena Rahsaz Construction Co.

Dena Rahsaz Construction Company

Downer EDi Engineering

Joint Venture - Dena Rahsaz & Al Shanfari

Jonnob Sazeh Construction Company JSI

TBH Group

Tengizchevroil

## Experience

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### ● Construction and Commissioning Lead Planner

Tengizchevroil | Jul 2018 -

Project Title: FGP 3GI (Third Generation Gas Injection)

TCO FGP Future Growth Project is the next expansion of the Tengiz oilfield. This is a project of national significance which will bring great benefits to Kazakhstan. It is expected that FGP-WPMP will increase oil production by about 12 million tons per year making the total TCO crude production to about 39 million tons per year. Significant expansion and modification of the existing gathering system in Tengiz will deliver new production and gas injection multi-well-pads with dedicated metering stations and pipelines. The power distribution infrastructure will link the new and existing power generation facilities and will include substations, overhead lines and switchgear. The Third Generation Plant will include the main processing facilities, Utilities, Power Generation, Sour Water Treatment, Pipe Racks, Flare and Hydrocarbon Drains. It also includes the pressure boost facility to increase the inlet pressure to the existing facilities. FGP will not produce Sulphur. Associated sour gas will be injected back into reservoir to enhance oil recovery. Third Generation Injection will include Injection Compressor Islands, associated Utilities and pipe racks.

Responsibilities & Achievements:

- Creation and maintenance of Contract Master Schedule, Project Intermediate & Detailed Schedule using P6;
- Develop a detailed Work Breakdown Structure (WBS) and prioritize critical items (Engineering Deliverables, Procurement Packages and Construction work fronts);
- Assess material, manpower and equipment requirements according to the Project Schedule;
- Using WFP - Work Face Planning tools (O3 Fluor System) based on CWP (Construction Work Packages) and IWP (Installation Work Package)
- Developing Earned Value System (EVS);
- Ensured compatibility of milestones of Project Master Schedule;
- Preparation of short term look ahead plans;
- Preparing project status reports, dashboard, graphs and s-curves on weekly / monthly basis

### ● Field Planning Engineer

Tengizchevroil | Dec 2014 - Jun 2018

Project Title: FGP CaTRo (Cargo Transportation Route)

The integrated Future Growth Project (FGP) is designed to further increase total daily oil production from the Tengiz reservoir and maximize the ultimate recovery of resources Caspian Transportation Route (CaTRo) was selected by the Future Growth Project (FGP) as the preferred route to accept delivery, accommodate offloading, storage and support onward land transportation of approximately 250,000 tons of modules, pipe racks, and similar amount of general cargo from the Caspian Sea to the FGP construction site in Tengiz, Kazakhstan. The CaTRo facility, also referred to as Prorva, is located about 40 km south-west of Tengiz border and is being designed to accept modules up to 2,000 tons, 66 x 16 x 22.5 meters (L x W x H) delivered on vessels. New Cargo Transportation Route is being constructed as a part of FGP-WPMP. This facility is designed for unloading of the modules shipped from the international fabrication yards to Kazakhstan via the Russian Inland Waterway System and their further transportation to Tengiz. From Prorva to Tengiz the modules will travel across new heavy haul roads.

Responsibilities & Achievements:

- Creation, acceptance and maintenance of Contract Master Schedule, Project Intermediate & Detailed Schedule using P6;
- Develop a detailed Work Breakdown Structure (WBS) and prioritize critical items (Engineering Deliverables, Procurement Packages and Construction work fronts);
- Assess material, manpower and equipment requirements according to the Project Schedule;
- Creation and acceptance of Project EPCM Budget and Capital Budget with performing Cost Analysis and trends;

- Maintain cost and schedule budgets throughout projects life;
- Developing Earned Value System (EVS);
- Ensured compatibility of milestones of Project Master Schedule;
- Preparation of 4-week / 12-week look ahead schedules;
- Preparing project status reports, dashboard, graphs and s-curves on weekly / monthly basis;

## ● Senior Project Planner/Master Scheduler

Downer EDi Engineering | Nov 2011 - Dec 2014

Main Projects:

- Sydney Electronic Ticketing System (ETS) - Opal Card (\$40M)
- Sydney Light Rail Inner West Extension
- Sydney Motorway 2 (M2) upgrade

Other Projects:

- Bulli Wastewater Pumping Station
- Car park Conversion of Sydney Rail Stations
- Bathurst Airport – Runway Rehabilitation
- Port Botany Terminal 3
- UNSW – Wallace Wurth building Redevelopment – Electrical Services (\$15M)
- NSW Police Force – Installation of Residual Current Devices (RCDs)
- Liverpool Military HV Works
- University of Sydney – Abercrombie Precinct - Electrical Services (\$10M)
- Australia Institute of Nano science (AIN) – Electrical Services (\$20M)

Responsibilities & Achievements:

- Creation & maintenance of Contract Master Schedule, Project Intermediate and Detailed Schedule;
- Develop Detailed Work Breakdown Structure (WBS) & prioritize critical items (Engineering Deliverables, Procurement Packages and Construction work fronts)
- Assess manpower & equipment requirements according to the Project Schedule;
- Provision of "what if" scenarios and Critical Path Analysis CPA reports;
- Assist in understanding project risks as they relate to schedule;
- Creation and acceptance of the Project EPCM Budget and Capital Budget and perform Cost Analysis/Forecasting and Trends;
- Maintain cost and schedule budgets throughout the project life and report actual against standard/budget variances, cashflow & project expenditures;
- Developing Earned Value System;
- Ensured compatibility of milestones between all contract packages, purchases and Project Master Schedule from package tender through to award and site implementation;
- Preparation of 4 week and 12 week look ahead schedules;
- Preparing project status, dashboard reports, graphs and s-curves on the weekly and monthly basis;
- Integration of Contract Master Schedule & Consortium Partners Master Schedule;
- Protect and ensure contract position in relation to late completion, acceleration and liquidated damages.

## ● Forensic Planner / Planning Consultant / PMO Scheduler

TBH Group | Nov 2009 - Nov 2011

Projects:

- Bootawa Dam Water Treatment Plant (\$50M)
- Cowal Gold Mine (\$75M)
- Cessnock Correctional Centre
- Blackmores Head Office and Distribution Centre
- Watermark - Castle Cove – Residential Village
- CBA (Commonwealth Bank of Australia)- Telstra (Data Transition) at Darling Walk
- 330kv Transmission Line - Wollar to Wellington
- Kooragang Island Wharf

Responsibilities & Achievements:

- Fully understanding of contract clauses (Contract Interpretation Clause)
- Identifying contractual entitlement of delay
- Delay dispute resolution
- Creating cause & effect list for delays
- Preparation of extension of time claims with compensation for damages
- Analysis of baseline schedules, monthly updates, and recovery plan / updated schedules
- Analyzing delays and disruptions of updated/as-built schedules against baseline schedules
- Creating as-built schedules and tracking delay events
- Identifying as-built Critical Path
- Understanding of CPM (Critical Path Method) fundamentals
- Assessing Extension of Time (EOT) claims by using Progressive Critical Paths method
- Assessing Delay and Disruption costs
- Writing a Claim Expert Report
- Extracting and providing documentary evidence (letters, method statements, instructions, progress reports & photos, MoM's, programmes and schedules) in support of the assertions made within the claim
- Creation and development of Tender Schedules
- Protect and ensure contract position in relation to late completion, acceleration and liquidated damages
- Creation & maintenance of Contract Schedule and Detailed Schedule using P6 & MSP
- Develop a detailed Work Breakdown Structure (WBS) & prioritize critical items
- Assist in understanding project risks
- Develop, implement and monitor Project Controls Systems and relevant Procedures
- Ensured compatibility of milestones of Project Master Schedule
- Preparing project status reports, graphs and s-curves on the weekly and monthly basis
- Liaising effectively with Project Managers

## ● Senior Tender Planner - Road Construction Project

Joint Venture - Dena Rahsaz & Al Shanfari | Mar 2008 - Oct 2008

•Project Title: Rehabilitation and Construction of Nizwa – Thumrait Road (Lot 2: 200km/715 km)

Nizwa – Thumrait road is located at Centre of Oman. The project was one of the largest road construction projects in Oman with amount \$80M+ USD (lot 2). The project involves the conversion to a four-lane dual carriageway from the existing 715km-long single carriageway currently between the towns of Adam and Thumrait, and it includes earthworks, bridges, new junctions, road improvements, pavement., several intermittent grade-separated interchanges, cross-drainage structures, camel crossings, rest and service areas and weigh stations at intermittent locations. I have been involved in this project as a Senior Tender Estimator and Senior Quantity Surveyor from feasibility study and then tender phase up until commencement of execution works.

Responsibilities & Achievements:

- Creation and acceptance of Tender Schedule for submission;
- Preparing tender pre-qualification documents;
- Understanding of FIDIC requirements for attending international tenders
- Creation and acceptance of Project Capital Budget and perform Cost Analysis/Forecasting;
- Integration of Contract High Level Schedule;
- Develop detailed Work Breakdown Structure and prioritize critical engineering items;
- Preparation of Bill of Quantity (BOQ), price list and estimation of resources;
- Valuation of Manpower, Material and Machineries requirements;
- Providing accurate and profitable tender documentation
- Working for a highly experienced and close-knit tender estimation team

## ● Lead Planning Engineer - Freeway Construction Project

Dena Rahsaz Construction Co. | Oct 2006 - Apr 2009

•Project Title: Construction of Saveh – Hamadan Highway (Lot1: 90km/190 km)

Saveh – Hamadan Freeway is located at centre of Iran and is one of the most important East-West corridors which play a vital role in terms of transportation in Iran. The project was one of the largest road construction projects with amount \$120M+ USD and massive quantities includes earthworks (10M+ m3), 350+ culverts, 10+ special bridges and 2500+ m2 asphalt. I have been involved in this project as a site-based Project Control Manager from feasibility study phase up until completion and hand-over phase.

Responsibilities & Achievements:

- Guide and direct resolution of project difficulties and complex control problems;
- Interact with clients and attend regular meetings and provide reports;
- Determine design changes and schedule slippages impact;
- Develop and maintain establish standards to exhibit schedule and plan hierarchy and inform project and company management;
- Review performance and offer personnel development for employees;
- Recommend and customize project control systems to satisfy project requirements;
- Understand, practice and lead organization's commitment by example to achieve zero incident safety;
- Coordinate with cross functional team with professionalism, courtesy and tact;
- Determine significant irregularities, trends and variances and suggest corrective action;
- Gather inputs and update standard management reports;
- Coordinate with project management staff to ensure project objectives and timelines;
- Identify construction and maintenance costs on materials, equipment and labor;
- Create, review and manage project schedules to identify progress, lead times and project sequences;

## ● Senior Project Planner - Highway Construction Project

Dena Rahsaz Construction Co. | Apr 2006 - Oct 2006

•Project Title: Construction of Astana – Schuchinsk Highway (Lot 3: 51/300km)

Astana – Schuchinsk Highway is located at North of Kazakhstan. The project was one of the largest road construction projects with amount \$50M+ USD. The road is the only connection line between Astana city as a capital of Kazakhstan and Russian borders. The project involves the conversion to a four-lane dual carriageway from the existing road currently between the towns of Astana and Schuchinsk and it includes earthworks (5M+ m3 cut & fill), 200+ culverts, 10+ special bridges, 3500+ m2 asphalt, new junctions, interchanges, cross-drainage structures and service areas. I have been involved in this project as a site-based Project Control Manger from feasibility study and then tender phase up until completion of execution works.

Responsibilities & Achievements:

- Maintain cost and schedule budgets throughout the project life;
- Support project execution and project controls efforts by leading regional office project controls;
- Integration of Contract Master Schedule & Consortium Partners Master Schedule;
- Management of Sub-contractors and their contracts and invoices;
- Working directly and liaising effectively with high level project management.
- Develop project controls personnel and Services Manager;
- Report actual costs against standard budget, variances, cash flow and project expenditures;
- Assess material, manpower, machineries and equipment requirements;
- Production and issuing of internal and management Schedule related reports;
- Being solely responsible for the day-to-day site inspection and resource allocation;

- Have a full understanding of contract, scope, drawings, specifications, procedures and plans based on contract
- Reviewing and assessing new scope, new drawings, variations and specifications from the Client throughout the life of the project;
- Using a comprehensive change control system: PCN (Project Change Notice) & DCN (Design Change Notice) to record all changes.

### ● Senior Project Planner - Road Construction Project

Dena Rahsaz Construction Co. | Dec 2004 - Apr 2006

- Project Title: Rehabilitation of Almaty – Bishkek road (Lot 3: 65 km/250km)

Almaty – Bishkek road is located at South of Kazakhstan. The project was one of most important road construction projects with amount \$30M+ USD (lot 3). This road is part of a historical road called Silk Road which is an ancient East-West corridor in Central Asia. The road starts from Almaty city (previous capital of Kazakhstan) and terminates at Bishkek (capital of Kyrgyzstan). The project involves the rehabilitation of the existing road currently between the cities and it includes earthworks (2M+ m3 cut & fill), 100+ culverts, 5+ special bridges, 1500+ m2 asphalt, new junctions, interchanges, cross-drainage structures and service areas. I joined to project execution team as a site-based Project Planner and stayed with them until completion, commissioning and hand over phase.

Responsibilities & Achievements:

- Creation and maintenance of the WBS;
- Updating project Master Schedule on the weekly and monthly basis;
- Establishment and maintenance of the Performance Measurement Baseline;
- Alerting delays incurred to the project to Project Manager;
- Provision of "what if" and Critical Path Analysis reports;
- Management of local subcontractors and stakeholders on site;
- Document controlling;
- Assessing criticality of activities and analyzing critical path;
- Supporting project manager in developing, maintaining & augmenting schedule;
- Updating and controlling the schedules with special method such as Delay Control System Resulted in a 10% improvement in Project Delay.

### ● Site Based Project Planner - Civil and Infrastructure Project

Jonnob Sazeh Construction Company JSI | Sep 2003 - Dec 2004

- Project Title: Construction of Fire Fighting Building - Bushehr Nuclear Power Plant (BNPP)

Responsibilities & Achievements:

- Creation and maintenance of a detailed schedule using softwares (P3-MSP);
- Weekly and monthly schedule statusing;
- Review and recommendation of improvements to Project Management Systems;
- Documenting controlling;
- Establishing planning and scheduling procedures;
- Analyzing problem areas to determine risks and criticality of schedule activities.
- Designing project planning & control system by using of procedures, forms;
- Valuation of Manpower, Material and Machineries requirements.

### ● Site Based Project Planner - Highway Construction Project

Dena Rahsaz Construction Co. | May 2002 - Sep 2003

- Project Title: Construction of Jam – Assalouyeh Highway (Lot 1: 40 km/150km)

Responsibilities & Achievements:

- Maintenance of project Master Schedule using Primavera Project Plan-

ner (p3)

- Updating project Master Schedule on weekly and monthly basis;
- Alerting delays incurred to the project to Project Manager;
- Management of local subcontractors and stakeholders on site;
- Creating Daily and Weekly Reports
- Assessing criticality of activities and analyzing critical path;

### ● Quantity Surveyor / Scheduler

Dena Rahsaz Construction Company | Apr 2001 - May 2002

Responsibilities & Achievements:

- Analyzing tender invitations (more than 10 road construction projects);
- Preparation of tender submission documents;
- Preparation of Bill of Quantity (BOQ), price list and proper estimation of resources for more than 5 road construction project;
- Working on project planning & control systems by using of procedures, forms and softwares (P3-MSP);
- Educating more than 50 staff (operators, engineers and project managers) about quantity surveying, planning, scheduling and tracking projects;
- Educating more than 20 staff of our clients (engineers) about primavera project planner P3 software.

## Education & Training

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- 1996 - 2000 ● **K. N. Toosi University of Technology**  
B.S ,