



# **ProDESIGN**

**Engineering Company Limited**

*Professional Engineering Solutions*

# Introduction



ProDESIGN, an engineering consultancy firm being founded in 2000, has defined its main activities as to render the entire surveying and civil design and the consultancy services of the construction and/or design stages in the various construction projects. In the last 6 years the firm has specifically been focusing on the oil field related projects and became one of the leader companies in the region.

# Vision Statement



The main rotation of ProDESIGN is to create and execute projects according to high rated manufactured tools using the latest technology with modern management techniques, establishment and continuity of quality control and job safety.

# Goal and Objective

- To ensure that all the provided services are;
  - Performed to permit safe,
  - Efficient and
  - Conformed to the applicable regulatory and legal requirements.



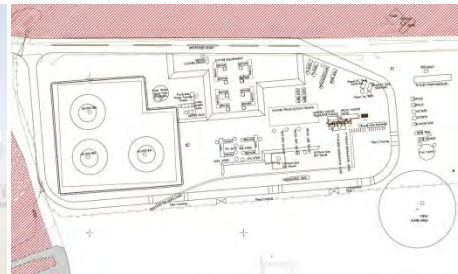
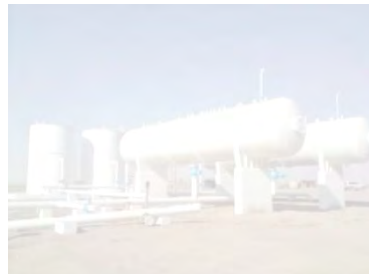
# Tools & Methods

- To achieve the goals, for each major work item, select the best engineering methods, submit and obtain approvals when necessary, place orders, perform quality control inspections, and produce and issue the project related documentation in a most timely and orderly manner, keep wastage to an absolute minimum and avoid all delays.
- Maintain highest level of coordination between the construction contractors and the site office, as well as with the Company's Representatives.
- To aim in all aspects for an incident free project execution by maintaining a high level of safety and environmental protection standards through implementation of a strict HSE plan.

# Services & Capabilities

ProDESIGN LTD. is capable of providing survey, engineering design & construction consultancy services in all stages, starting from pre-investment phase to client handover. ProDesign has a wide range of engineering expertise covers the following areas:

- Well Locations & Associated Access Roads and Service Facilities
- Production Facilities
- Trunk Lines & Flow Lines
- Warehouses
- Pipe Yards & Storage Areas
- Tankage & Terminals
- Master Plans – Residential & Industrial areas



# Services & Capabilities

ProDESIGN LTD. has resources such as personnel, equipment, tools and software's covers the following services;

- Survey Mapping & Satellite Imagery Services,
- Civil Engineering Services
- Structural Engineering Services
- Mechanical & Piping Engineering Services
- Geotechnical & Geophysical Engineering Services,
- Hydraulic & Hydrology Engineering,
- Environmental and Social Impact Assessment Studies
- Project Management Services

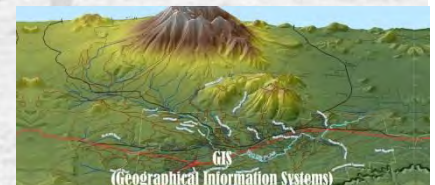
Our engineers and designers use sophisticated proprietary and in-house software to monitor and manage every phase of our projects, from concept design through construction and start-up. These tools allow us to efficiently and accurately develop schedules, allocate resources, monitor work progress, track costs and provide detailed reports for our customers. They enhance our ability to deliver projects on time, on budget and with superior results.

# Survey Services

ProDESIGN understands that existing site information must be accurate, otherwise it can lead to costly changes throughout the life of a project. We offer state-of-the-art equipment, including robotic instrumentation, allowing us to accurately and efficiently meet project needs.

We offer the following capabilities:

- Land Surveying,
- Route Survey
- Powerline Survey
- Construction staking & Post construction surveys
- Mapping & Sattalite Imaging Service
- Geotechnical & Geophysical Investigations
- UAV Imaging and Surveying



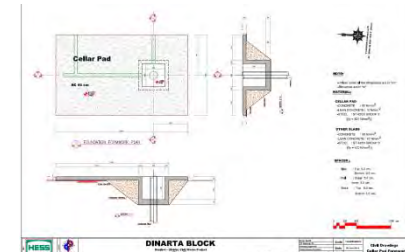
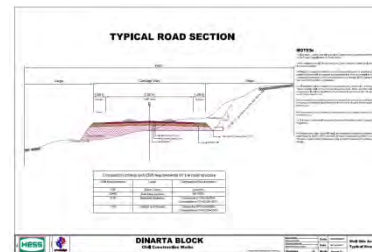


# Civil Engineering Services

Our civil engineering department offers extensive design experience covering a broad range of projects. Our civil engineering capabilities include Conceptual & Detailed Engineering Design Services.

Specific areas of civil design experience include:

- Developing Plans/Layouts as per specified requirements
- Producing Profiles, Cut/Fill Calculations
- Site Development and Grading
- Utility Delivery (including Combined Sewer Systems)
- Pipe Lines & Flow Lines Alignment Studies
- Master Plans for Residential and Industrial Areas
- Pipe Yards & Storage Areas



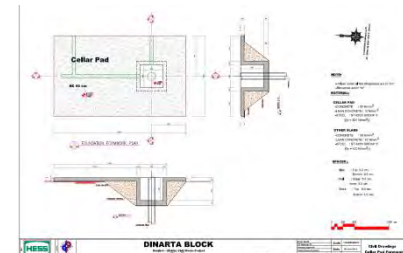
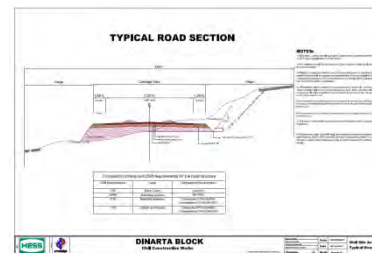


# Structural Engineering Services

Our Structural engineering staff is composed of highly experienced, dedicated professionals meeting technical needs of our clients while ensuring consistent standards.

Services include:

- Industrial structure and equipment support
- Structural Analysis and design (steel, concrete, wood, masonry structures of all types and sizes)
- Bridges & Culverts
- Foundation Design for static and rotary equipment

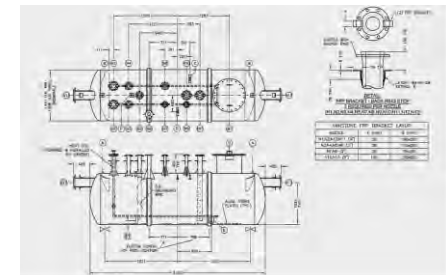


# Mechanical & Piping Engineering Services

We are well versed in plumbing and piping design allowing clients to rest easy in knowing we are looking out for their best interests.

Services include:

- HVAC Systems
- Plumbing
- Industrial ventilation
- Pumps & Valve Selections
- Fire Protection Systems
- Material handling design

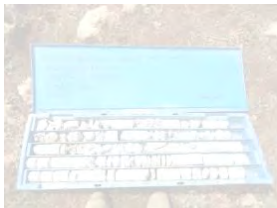


## Geotechnical & Geophysical Engineering Services

ProDESIGN owns two drilling rigs and has already completed various Geotechnical and Geophysical Survey works together in Kurdistan.

Services include:

- Drilling Boreholes
- D & UD Sampling
- In-situ soil tests (Pressuremeter, SPT, Plate Load, CBR etc)
- Soil Electrical Resistivity Test
- Seismic Downhole
- Surface Refraction Tests
- Laboratory Tests
- Geotechnical & Geophysical Survey Reports

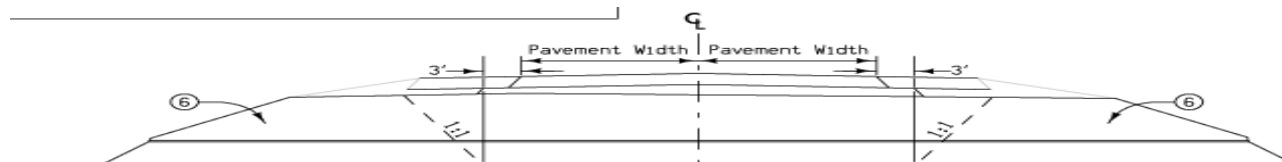
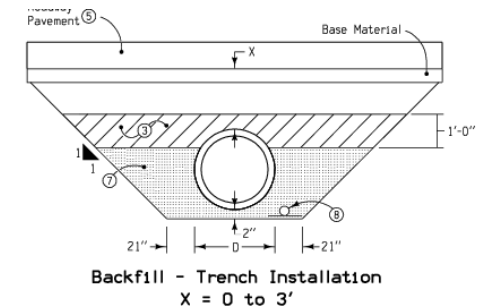


# Hydraulic & Hydrology Engineering Services

A fundamental part of basic site hydrology is understanding the existing ground conditions, including the site's soil makeup, terrain, and drainage patterns. ProDESIGN Engineers are performing preliminary analysis without physical survey work by using digital elevation models (DEMs) in Civil 3D,

Followings services are available in this division;

- Storm Water Drainage Design
- Flood Analysis
- Catchment Basin Analysis
- Water Supply Engineering
- Hydraulic Calculations
- Water treatment plants

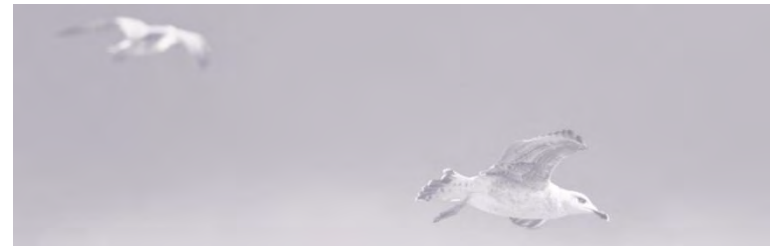


## Environmental and Social Impact Assessment Studies

ProDESIGN has recently extended its services by signing a joint venture agreement with 2UIK one of the global network partners of “Inogen Environmental Alliance” in Turkey.

ProDESIGN aiming to play an important role in this area with the following environmental engineering and consultancy activities:

- Project Site Screening and Selection;
- Route Reconnaissance Surveys;
- International Environmental and Social Impact Assessment Studies;
- Technical Assistance in Environmental Permitting and Licensing;
- Environmental Management and Monitoring Works;
- Environmental Due Diligence Works.





# Project Management Services

- Technical planning,
- Preparation of BOQs & budgeting,
- Project site management,
- Preparation and regular update of work and resource schedules
- Specification and contract administration,
- Quality control and providing technical support to all problems arising during construction.

ProDesign while executing these services ensure that all in compliance with the Project specifications and upholding good engineering practices and within the agreed budget.