

State of The Art Manufacturing Facility

CNC Plasma Cutting Machine



CNC Bending Press- 6 Mtr Long



De-Coiler/Capacity-5 Ton & 3 Mtr Wide Prick Roll and Cutter



Locations:

Manufacturing Unit

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GLOBAL ENGG. SOLUTIONS FZCO

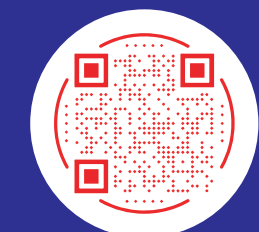
(A BLISS ANAND GROUP COMPANY)

**Pioneering Excellence in Dome and Internal Floating
Roof Engineering Elevating UAE Innovation**



ALUMINIUM GEODESIC DOMES

ALUMINIUM INTERNAL FLOATING ROOFS





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Global Engg Solutions FZCO: Quality, Service and the Resources to Perform



Introduction

Global Engg Solutions FZCO is a Bliss Anand Group Company leading manufacturer and fabricator of Field Instruments and Process Packages for oil & gas industries across the Globe.

Global Engg Solutions FZCO now have expertise to cater latest technologies being adopted in the oil & gas sector for various applications which are widely accepted by leading engineering consultants and end users.

One of the key products now being manufactured in Aluminium Geodesic Dome & Internal Floating Roof for various Liquid Storage Tanks, a First in the United Arab Emirates and approved by ADNOC under Manufacture Number 20009513 (Product Group No. 141250)

Products

1. Aluminium Geodesic Dome Structure
2. Aluminium Internal Floating Roof
3. Seal Systems
 - a) Wiper Seals in single and double layers.
 - b) Mechanical Shoe Seals for Internal and External Floating Roof Tanks.

End to End Solutions:

Bliss Anand provides the following:

- Tank survey including Tank Anti-buckling & Foundation Adequacy check (Post award).
- Budget
- Complete in house design & fabrication.
- Installation & Supervision Support.

Bliss Anand: Dome & IFR

Bliss Domes & IFR are designed complying to following design codes.

1. API 650, **Appendix-G&H**
2. Aluminium Association Design Manual
3. Indian Standard for Wind Zones.
4. OISD Applicable Guidelines
5. Customer/ Client Specification

We further get all the design and structural analysis vetted by an approved/competent Third Party.

This is in addition to mandatory analysis carried out for Anti-Buckling & Foundation Adequacy.

All materials are provided with mill test traceability, sourced from the largest and reputed vendors in India.

Salient Design Features: Bliss Dome

1. Light weight design
2. Fully triangulated self-supported structure
3. Beam designs are checked for torsional and flexural buckling analysis in total compliance to Aluminium Association Design Manual.
4. Optional Staad-Pro model available.
5. All Domes are tested for water tightness as per API-650 requirements.
6. Conduct the check by floating IFR up to **Safe Filling Height to ensure no fouling with Dome (no impact on safe filling height)**
7. Bliss has a team of highly skilled personnel to install and supervise at site.

Salient Design Features: IFR

1. Vapour-tight metal-to-metal clamp beam and fastened by bolts.
2. Flexible joints between pontoons.
3. Bliss has a team of highly skilled personnel to install and supervise at site.

