

## 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

Plot No. S40412A, Street No. S800,  
Jebel Ali Free Zone South, Dubai,  
United Arab Emirates  
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e-mail: reception.ges@blissanand.com

#### Sales Office

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# GLOBAL ENGG. SOLUTIONS FZCO

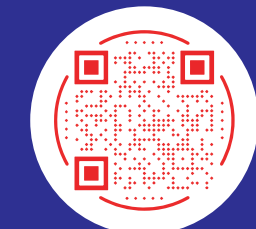
(A BLISS ANAND GROUP COMPANY)

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.

