

SPACE FRAMES

Long Span Dome Solutions

Quality and Customer Satisfaction Guaranteed
Meeting your cost, schedule and safety needs!

DESIGN & ENGINEERING

MANUFACTURING

Geometrica[®]

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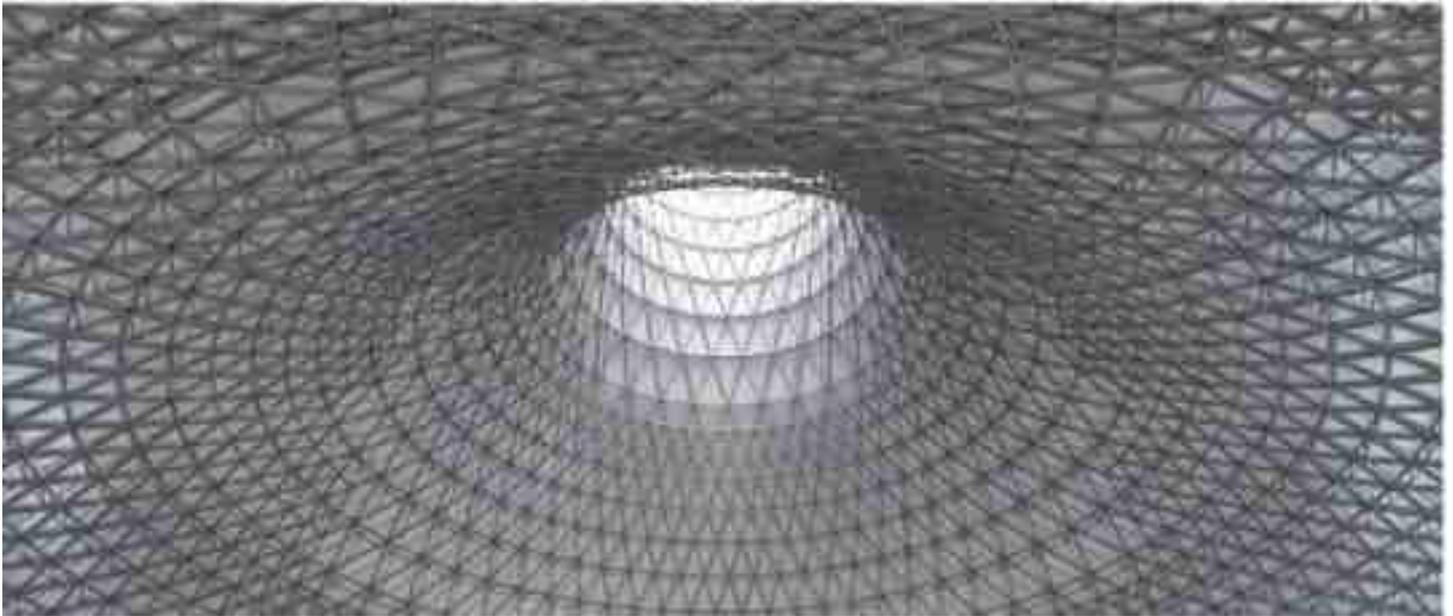
**SHINSUNG
CONTROL**

www.sscontrol.co.kr
spaceframe@sscontrol.co.kr

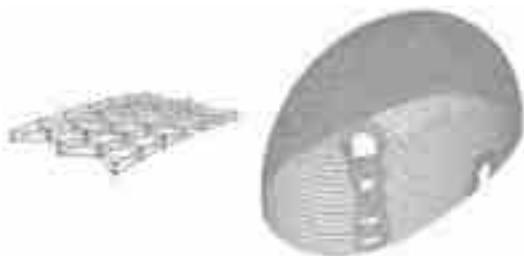
ENGINEERING, Geometry Design & Structured Analysis

GEOMETRICA is the one of largest engineering company of Space Frame in the world. Geometrica 's structural system engineering provides complete geometric freedom while achieving economic efficiency, convenience, and safety.

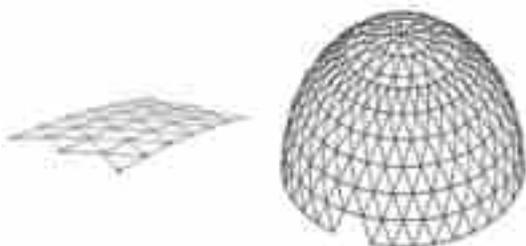
The State -of- the Art design & engineering services will be provided by Geometrica Head Office in USA



The System Geometric Structured Engineering



Geometry Generation



Structured Analysis

- Linear Static Analysis
- Nonlinear analysis



Loading and Modeling

- Wind Speed Study
- Wind Tunnel Test
- ANSI/ASCE 7-05



MANUFACTURING, Geometrica Hub & Tube

SHINSUNG CONTROL provides complete manufacturing the Hub&Tube with Geometrica licensee It also certification of its quality management system under ISO 9001/2015 Standard.

Tube: Geometrica Tubes are prefabricated in computer-based manufacturing system and mechanically joined on site with these Hub.

Hub: Hubs are compact, simple and very efficient – no welding required. Made from high strength aluminum.

The Tube
Fabrication



The Module
Hub & Tube



The System
Modularization



The Hub & Tube
Assembly



MANUFACTURING, Geometrica Metal Cladding & Supports

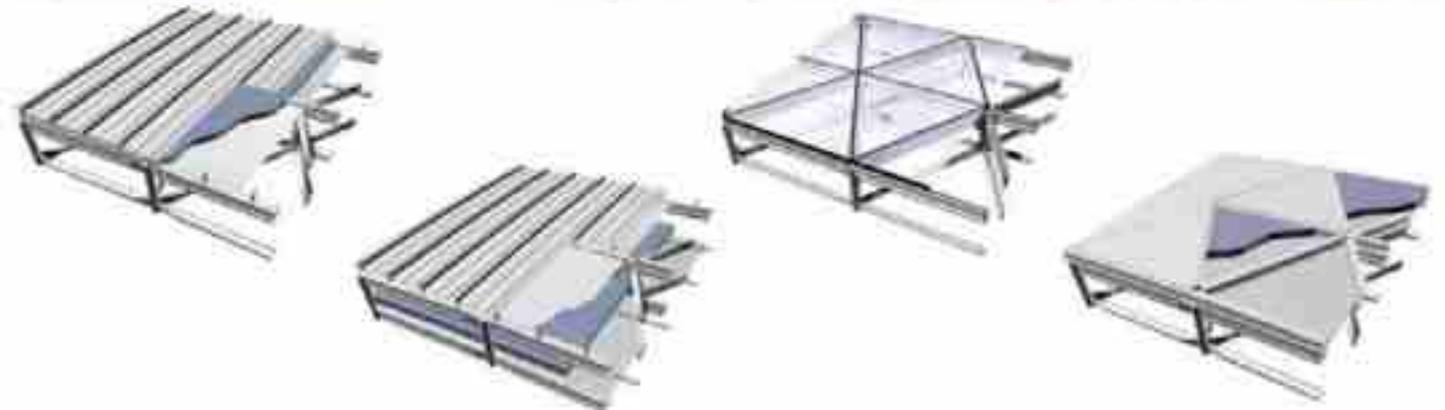
SHINSUNG CONTROL is to provide fabrication the metal cladding & support system of space frame with Geometrica variable design that may be clad with a variety of different skin systems.

Exterior Face: Design professionals are comfortable with dozens of envelope alternatives for buildings with conventional, linear geometry.

Interior Face: Different thermal and acoustic insulation materials that can be integrated.

Insulation: A major feature in achieving a comfortable building is judicious choice of thermal insulation and acoustic treatment for the envelope.

Geometrica Metal Cladding



Metal Cladding Supports



CONSTRUCTION, Modulization & Installation

The construction is based on an advanced structural system, in steel or aluminum and covered with materials such as glass, wood or metal. The structural system uses a very strong and versatile mechanical connector.

- *Modulization
- *Saving in overall schedule
- *Allows simultaneous work on stacker/reclaimer

Modulization



Structuring



Assembled / Erection



Installation / Simultaneous work



ARCHITECTURAL FREEDOM

Discover a versatile structural system that empowers the creation of distinctive form

Free Form: This system offers complete geometric freedom and economic efficiency Skylight and

Facades: geometrica structures offer limitless design freedom.

Long Span: geometrica domes can reach spans of up to 300 meters and cantilever more than 50m.

Free Form



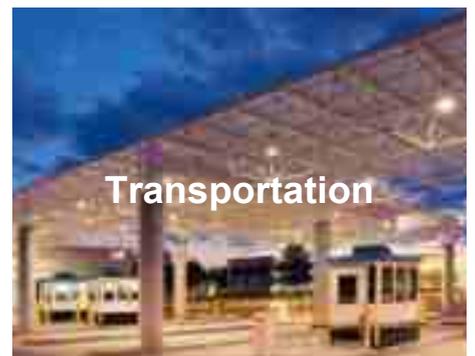
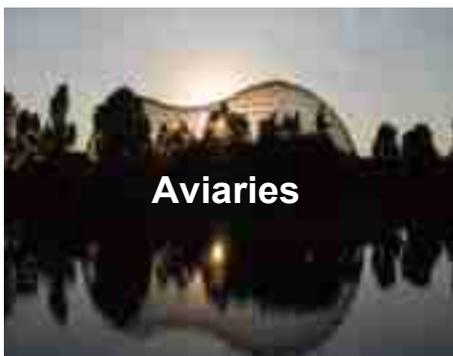
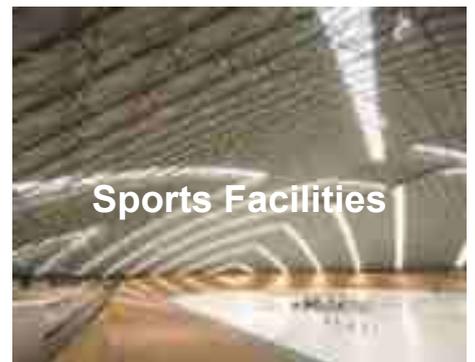
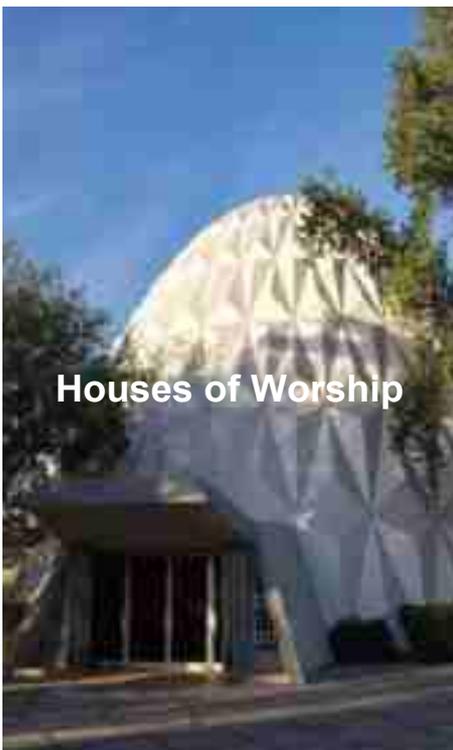
Beautiful
Skylight & Facade



Long Span



Various Freedom Applied Facilities



INDUSTRIAL SOLUTIONS

Industrial storage domes, barrel vaults and space frame are a cost-efficient way to address space.

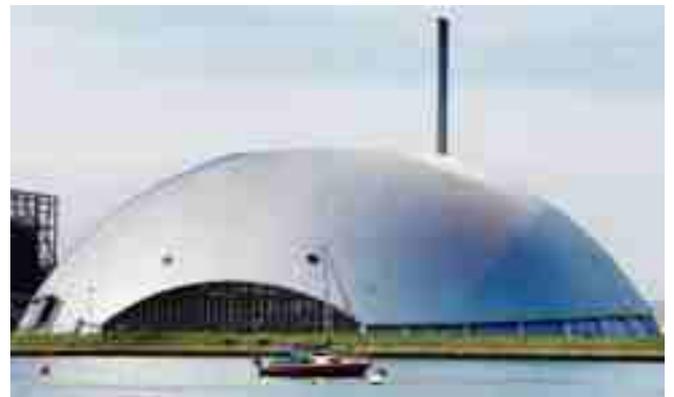
Vaults and Space Frame; Geometrica specializes in roof structure for industry manufacturing logistics, waste management, power plant are some of the uses of efficient space frame structure.

Long Span Domes: Geometrica’s technology offer design professional unprecedented functionality in new industrial facilities.

VAULTS AND SPACE FRAME



LONG SPAN DOME



VARIOUS INDUSTRIAL DOME USES



BULK STORAGE DOMES

GEOMETRACA builds bulk storage solutions for ring stockpiles, conical piles longitudinal piles, and free-form material files.

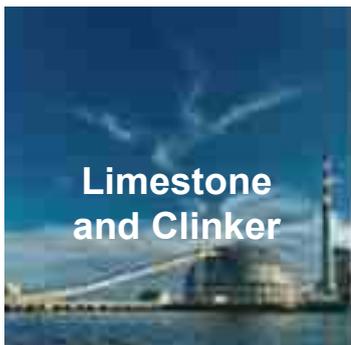
Proven Sysytem; Geometricas geometric domes are made with an efficient structural system of strong and corrosion resistant galvanized steel or aluminum.

Covering Stockpiles: Geometrica geodesic dome, Covered storage meets a cost-effective way to solve problem to stock large quantities or dry materials.

COAL HANDLING OF POWER PLANT



TYPES OF STORED MATERIAL



SHAPE OF PILE



SSC METAL SERVICES, Metal cladding and supports

SHINSUNG CONTROL is to fabricate & manufacture the original Equipment Manufacture (OEM) and provide superior steel processing services for the metal cladding and metal supports.

LASLER (Trulaser 3030)



Amada punching press (VIPROS 357Q)



Amada bending machine (HG - 8025)



Amada bending machine (HFB-2204)



Amada bending machine (RG - 80)



Amada bending machine (RG - 80S)



Welding robot



Business Areas

SPACE FRAME

GEOMETRICA
Cladding & Supports



GEOMETRICA
Hub & Tube

PRODUCTS

ROAD SAFETY
NOSE BARRIERS



ROAD SAFETY
GUARDRAIL



TEMPORARY CONSTRUCTION
SCAFFOLDING



STEEL SERVICE
NCT



ROAD SAFETY
TEMPORARY BARRIERS



ROAD SAFETY
IMPACT ATTENUATOR



TEMPORARY CONSTRUCTION
SMART PANEL



PERMANENT CONSTRUCTION
CABLE TRAY



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