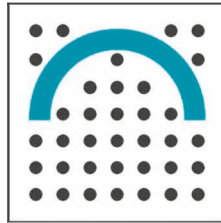


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SPACE



ABAN DEIAKO HANA
www.deiako.com

SPACE is the first and only CE standard holder for spatial structures in Iran -----

What is space structure?

Space structures are regular geometric shapes that are repeated beside each other and an integrated and strong network with three dimensional structures is created by repeated connection of these parts. It can be said that this type of networks are complete sample of three-dimensional structures. In other words, space structure is those structures that naturally are three-dimensional in performance so that effect of none of these three dimensions in behavior of structure. These structures are so configured that path of transferring load through structure elements is supplied in three dimensions. Space structure due to distributing force in different directions are strong while are light and have significant installment and manufacture speed due to maximum use of pre-maid system and so modern building industry in the present world tries to use light structures in different industrial, residential and business levels.

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Usages of space structures

- Halls
- Conference halls
- last Building's ceiling
- Advertisement billboards
- Stadiums and sport gyms
- Oil, CNG and Gasoline pumps
- Ceiling of pool and water parks
- Footbridges and roadway bridges
- Light and entrance gate of building
- Special saloons of ports and customs
- Multipurpose saloons (fair, store, etc.)
- Domestic decoration and landscaping
- Big shadings (as protector of antiquities)
- Storeroom and manufacture saloon of factories
- Industrial, research and decorative greenhouses
- Terminal saloons (railway, airport, terminal, etc.)
- Big towers (industrial, telecommunication, watchtower....)
- Ceiling of parking (residential, administrative, business, buildings)



Architecture of Space structure

- flat • Pyramid
- Pitched • Domical
- Special architecture and other forms

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Advantages of Space structure

- Lack of mouth limitation
- Lack of sudden destruction
- Benefiting Better technique
- Optimal use from materials
- Very high immunity and low weight
- Lack of necessity of structure bases disipline
- Possibility to install crane on space structure





Montage and installment of space structure

Usually below methods are used in montage and installment of space structure:

- 1- Complete montage of structure on ground level and installment of the whole ceiling using crane or heavy lifting , one of advantages of this method is very high speed in context and installment of space structure
- 2- Montage of some part of structure in the form of certain blocks and then montage of blocks in the height using crane. This method compared the previous method has lower speed and has special limitations in some architecture forms
- 3- Palmate Montage that is considered as tissue . usually small pieces that are composed of tube components(3 to 5 element) and one node and are montaged in the surface of ground and are transferred in their position in height and then this part in the intended height is connected to the previous installed part of space network
- 4- In order to limit transformation of no completed space network When performing montage operation , some temporary piles are installed in predetermined surfaces and under dead load and these piles are removed after that montage operation is completed in order to complete transfer of loads t the main so that natural change of ceiling is remained.



Out look

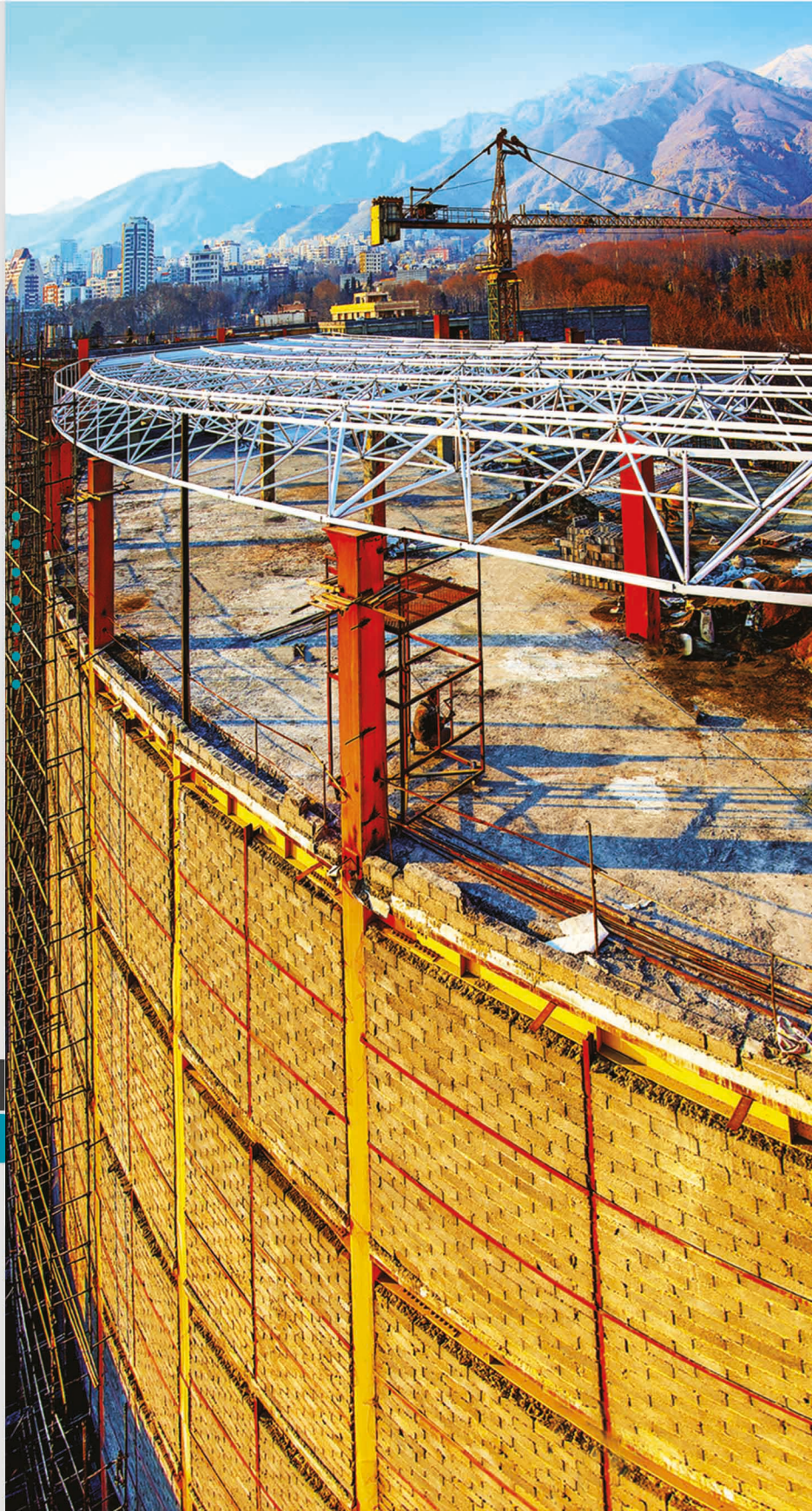
Deiako Company by relying on its 5 -year strategy tries to actualize an perspective according which this company is an outrider company in the field of presenting modern structure products and service so that an satisfactory experience of presenting different structure service is presented by maximizing optimality of customers, shareholders and employees (all beneficiaries)

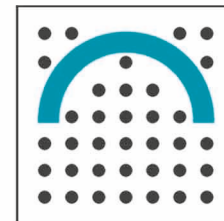
In line with this purpose, Deiako Company tries to achieve the followings:

- First selection of the customers
- achievement of the highest share of domestic modern structures market
- Outrider in the field of presenting modern and developed structure services
- capable and obligator to satisfy all beneficiaries
- presenting rapid, resistant, light and new structure products beyond need of customers
- obtaining a better position to be listed in first class companies of west Asia
- Utilizing modern technologies and manufacturing instruments as the main bed of constant development

So managers of Deiako Company have defined and prepared a comprehensive program with measurable strategies and criteria, operational purposes and executive programs that are regularly implemented to be the best choice for each structure.

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