



Logistic centers

Today, vast logistics centers for the distribution of products and goods are to be found at strategic locations in most countries. A key requirement of such centers is to provide virtually column-free interiors for the efficient handling of incoming and outgoing goods.



Car tires take up a lot of space! This vast warehouse and distribution centre for Goodyear is used to store tires for the Polish market and for other Eastern European countries, such as the Ukraine, Slovak Republic, Hungary, and so forth.

A specific requirement of the building specification was that there should be as few internal columns as possible consistent, of course, with keeping within the construction budget. ASTRON engineers came up with a winning formula, providing large, open areas by combining a minimum of interior prop columns with wide-spanning jack frames.

Despite the combustible nature of tires, no special fire protection for the structure was specified. However, the roof was provided with a great many smoke vents. This approach to fire reflects a new wave of thinking now being applied in many parts of Europe by authorities, fire brigades and constructors.

Final painting was applied to beams and columns on job-site. The building has a PR roof with 100-120 mm insulation while PA panels are used on the walls.

Apart from a very competitive offer and a good design approach, Goodyear reasoned that a company, smaller than many competitors, would devote maximum time and effort to ensuring that the contract was fulfilled correctly, on budget and on time.

The building was subsequently extended by some 14.000m² (by the same Builder!)



Technical details:

Construction year:	2000/2001 & 2005
Type:	2*AZM3 with jack frames
Dimensions:	145 x 310 m
Surface:	± 45,000 m ²
Eave height:	11 m
Roof slope:	6 %
Roof system:	PR120
Wall system:	steel panels PA100 + PI

Facts:

Builder:	Skalski sp. z o.o.
Customer:	Debica (Goodyear Group)
Architect:	IMB Atelier, Krakow

Advantages for the customer:

- Large free spans
- One supplier
- Fast implementation of the project
- Freedom of internal layouts
- Good price/quality ratio
- Excellent quality
- ISO 9001 Certification

A glance on more references...



This modern 7,200 m² facility was built in Boom (B) by Builder IPES on 13m long piles which were necessary to stabilize the structure on soft clay ground conditions.



In Odessa (Ukraine) by the Black Sea, Torgovo-Promyslova constructed this 6,385 m² logistics centre, dedicated to the storage and distribution of foodstuffs and pharmaceutical goods, in only 3 months.



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