



## Cold store

**ASTRON builds 7,800 m<sup>2</sup> combination cold store/refrigerated storage unit in less than 5 months**



Only 5 months were needed for ASTRON to build this 7,800 m<sup>2</sup> combination cold store/refrigerated storage unit in the heart of the industrial estate of Aix en Provence (France), despite the technical complexities of the facility.

Astron's experience in supplying buildings for the food industry and agricultural products businesses, allowed it to readily meet the following requirements:

- Provide negative temperature cold storage, plus low temperature refrigerated storage facilities and loading areas, all according to the legal regulations for food products,
- Take into account the seismic loads specified for the region,
- Respect the demanding requirements for fire protection imposed by the insurance company,
- Offer the project at an acceptable cost,
- Create a functional yet architecturally attractive building.

The facility, constructed for LR Services, is used for the storage of inflammable food products. More than 40 trucks come in and out of the premises every day.

This building is well planned for its purpose and sits harmoniously within its environment.



### Technical details:

Construction time:	June '99 – Nov. '99
Type:	3 AZM1 com. col and MSB
Dimensions:	93m x 75m (office bldg incl.)
Surface:	7,800 m <sup>2</sup>
Height to the gutter:	9.00 m
Roof slope:	6.0 %
Roof system:	PR and 80mm insulation
Wall system:	PA and 80mm insulation/sandwich

### General information:

Builder:	Agro-Contractants
Customer:	LR-Services
Architect:	ARCADIA, Florence Réard

### Special features:

- Low temperature cold store (-2°C/-18°C) plus refrigerated storage (+5°C)
- 12m high ceiling in cold store
- maintenance of thermal performance despite frequent stock rotation
- negative pressure within the building
- extensive fire protection measures (sprinklers, smoke vents, firewalls, fire-doors, compartmentalisation, etc.)
- planned for storage of partially packed food products
- administration building and logistics facilities partially integrated within the building low temperature zones.

### A glance on more references



This AZM3 building covering 4,620 m<sup>2</sup> with a building length of 66 m, was constructed in 2001 by Ekologicke Stavby Kosice AS in Madunice (Slovak Republic).

Architect: Provis a Novetamky

Cold storage area is cooled to -25 °C



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