Usine à voussoirs d’Ambronay (Lyon)









SHORT DESCRIPTION

Implenia France has set up its own production plant for segments (tunnel lining) in a joint venture with Demathieu Bard to meet the needs of the Lyon Metro Line B extension project.

THE PROJECT

Implenia France has set up its own production facility for segments (tunnel lining) as part of the joint venture with Demathieu Bard to meet the needs of the Lyon Metro Line B extension project.

The 3,000 m^2 plant has a storage area of 13,000 m^2 and, thanks to the use of an automated carousel, has a production capacity of 175 segments per week. Drying cabinet equipment makes it possible to control the temperature and humidity of the rings.

Further horizons are opening up for this factory with the will to diversify its activity to other customers.

SERVICES IN DETAIL

- Production of segments (reinforcement and fibers) for the construction of tunnels drilled with tunnel boring machines.
- Prefabrication of reinforced concrete / fiber concrete segments
- Automated carousel

CHALLENGES

- Increase in production capacity for the manufacture of segments for other tunnel projects in the Lyon region.
- Diversification of business activities and adaptation of the legal structure to serve external customers.

FURTHER INFORMATION

Type of structure	Lining made of segments for bored tunnels
Construction technology	Automated carousel + damper + storage platform
Main facilities and structures + Features	5 TYPES OF RINGS ARE PRESENT IN THE TUNNEL: . > The " standard " rings . > Reinforced rings, especially for the areas around the branch . > Special rings that can be injected and are used in water-bearing areas . > Reinforced rings with instruments and special rings with instruments equipped with strain gauges to monitor tunnel forces, total pressure, etc.
Client	Sytral
Main contractor	SYSTRA Group - EGIS - Atelier Schall . Named after MELYES
Partners of the consortium	2 partners 50% each: . Implenia (Implenia France + Implenia Switzerland° . DBC
Function of the contractor in the consortium	Technical representative
Membership of the consortium	50%

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FACTS

Location	La Chapelle , France
Status	Under construction
Construction volume (value of our services)	105 M EUR
Start of construction	January 2019
Building owner	Implenia France, DBC
General management	Konsortium SYSTRA - EGIS - Atelier Schall Benannt nach MELYES
ARGE	✓
Overall length	2500 m

SERVICES

- Tunnelling
- Transport tunnels
- Infrastructure

https://implenia.com/en/references/detail/ref/usine-a-voussoirs-dambronay-lyon/

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