Implenia

Reference

Constellium pressing plant PL12, production and logistics halls with adjoining social building and workshop



SHORT DESCRIPTION

Turnkey construction of production and logistics halls with adjoining social building and workshop

THE PROJECT

Constellium is a leading global aluminium processor, founded in 2011 through a spin-off from Rio Tinto. For the plant in Singen, Constellium is investing around EUR 30 million in a new press line for the growing demand from e-mobility in the automotive and transport industries. After optimising the construction, Implenia built two 170 m long bays as production and logistics halls (8,200 m^2) with an attached two-storey social building (980 m^2) and workshop (980 m^2). The existing shell, floor slabs and foundations (approx. 3,000 m^3) as well as deep machine foundations (400 m^3) were recycled and re-installed, only unusable waste materials were disposed of. Despite unexpected soil conditions and asbestos removal according to TRGS 519 on the inaccessible roof, the production deadline could be confirmed.

SERVICES IN DETAIL

Demolition of the existing halls, turnkey construction incl. technical building equipment and planning, complex plant foundations as BIM, in-situ concrete and prefabricated parts (approx. 7,000 m3), steel construction (approx. 600 to), shell, hall cranes (7), turnkey extension of the social building, heating, ventilation, sanitation, electrical supply (5 transformers) and electrical equipment, compressors (2) and compressed air distribution, BMA, sprinklers

CHALLENGES

- Ambitious construction time with fixed start of production
- Asbestos removal, "hanging" execution - Introduction of LEAN

FACTS

Location	Industriestandort „AluSingen“, Alusingen Platz 1 , Singen , Germany
Status	completed
Construction volume (value of our services)	15.7 M EUR
Start of construction	March 2019
Completion	March 2020
Building owner	Objektgesellschaft der DAL-Gruppe: Dajanus Grundstücksverwaltungsgesellschaft mbH & Co. Vermietungs KG Emy-Roeder-Str. 2 55129 Mainz
Contracting entity	Constellium Singen GmbH Alusingenplatz 1 77224 Singen

SERVICES

Civil engineering

Industrial construction

Infrastructure

https://implenia.com/en/references/detail/ref/constellium-presswerk-pl12-produktions-und-logistikhallen-mit-angegliedertem-sozialgebaeude-und-werkstatt/

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