

## 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<sup>2</sup>) with an attached two-storey social building (980 m<sup>2</sup>) and workshop (980 m<sup>2</sup>). The existing shell, floor slabs and foundations (approx. 3,000 m<sup>3</sup>) as well as deep machine foundations (400 m<sup>3</sup>) 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 m<sup>3</sup>), 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

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

## SERVICES

Civil engineering

Industrial construction

Infrastructure



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

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