Group - IPS
Industrial Projects Services

www.group-ips.com



Plettenberg

Plettenberg-Ohle, Germany

PRIMARY | GERMANY

Novelis intends to install a new Continuous Annealing (CAL / Durchlauf-Glüh-Linie), integrating it into an existing plant. To this end, internal budget calculations and the elaboration of a variant selection had to be verified, independently. Group-IPS was contracted die to its experience in similar projects to supplement limited Novelis resources in performing the following tasks:

- Elaborate three possible options for the CAL-line in order to independently validate preconceptions and choose a layout / building configuration option.
- Make an informed proposal on which permitting route to take incl. a permitting roadmap.
- Perform a logistic analysis, streamlining especially the storage situation withing the plant.
- Produce an integrative plan layout to clear the gate of approval.

The described steps were to be performed within 3 months, with all works and decisions driven by time-to-market considerations.

The biggest challenge was the large amount of work in very little time. As a result, decisions had to be taken fast with absolutely no tolerance for revisions. The constrain was compounded contradictory construction imperatives: The site is located very close to a river and was partially build on a former river-end. Therefore, special considerations had to be made in terms of available building space, earth works and foundations. At the same time, fire engineering and time to market considerations would influence building preferences.

The project phase was completed in time and budget despite the fast track imperative, thus securing the Start of Production target and enabling further project phases, which will be executed with

Principal project data

Continuous Annealing Line

Scope IPS

FEED Study

Project Management

Permitting

Engineering

- 3D Model
- Piping
- Electricity
- HVAC
- Structures

Procurement

Construction Management

Comissioning

Group-IPS as General Contractor.



Letter of recommendation for Group-IPS
Novelis, Plettenberg Ohle

Herewith we would like to recommend the excellent services of Group-IPS.

Project / Projects *FEED study for new CAL*

Initial Situation / Assignation

Novelis intends to install a new Continuous Annealing Line (CAL / Durchlauf-Glühlinie), integrating it into an existing plant. To this end, internal budget calculations and the elaboration of a variant selection had to be verified. Independently, the contracted Group-IPS due to its experience in similar projects to supplement limited Novelis resources in performing the following tasks:

- Elaborate three possible options for the CAL line in order to independently validate preconceptions and choose a layout / building configuration suitable.
- Make an informed proposal on which permitting route to take incl. a permitting roadmap.
- Perform a logistics analysis, streamlining especially the storage situation within the plant.
- Produce an integrative plant layout to clear the gate of approval

The described steps were to be performed within 3 months, with all works and decisions driven by time-to-market considerations.

Challenges / Reconfrontations

The biggest challenge was the large amount of work in very little time. As a result, decisions had to be taken fast with absolutely no tolerance for revisions. This constraint was compounded contradictory construction imperatives: The site is located very close to a river and was partially built on a former river bed. Therefore, special considerations had to be made in terms of available building space, earth works and foundations. At the same time, fire engineering and time to market considerations would influence building preferences.

Solutions / Lifesaver

Group-IPS project management methodology and acumen were key in keeping the project on track. Furthermore, Group-IPS understanding of the manufacturing process was invaluable in supporting Novelis in fast paced, well-informed decision making. Group-IPS efforts for stakeholder integration maximized project acceptance in the plant, further decreasing decision making time expenditure.

Result / Expiration

The project phase was completed in time and budget despite the fast track imperative, thus securing the Start of Production target and enabling further project phases, which will be executed with Group-IPS as General Contractor. We would not have managed to reach the target without Group-IPS, therefore the cooperation can be judged as very satisfactory.

Sincerely,

Sierre, 08.2023

Florent Bessen
Manager FMD & Cash+ Planning at Novelis Europe