



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 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 option.
- Make an informed proposal on which permitting route to take incl. a permitting roadmap.
- Perform a logistic analysis, streamlining especially the storage situation within 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 by contradictory construction imperatives: The site is located very close to a river and was partially built 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

Commissioning

Group-IPS as General Contractor.



Letter of recommendation for Group IPS
Novels, Flatlands, Ohio

Project / Projekti: FEED study for new (A)

initial situation of the respondents.

Initial Situation / Ausgangslage

Naveris intends to install a new Continuous Annealing Line (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. We contracted Group-IPS due to its experience in similar projects to supplement limited Naveris resources in performing the following table:

- Evaluate three possible options for the CAL line in order to independently validate assumptions, and choose a layout / building configuration option.
 - Make an informed proposal on which permitting route to take incl. a permitting roadmap.
 - Perform a logistics analysis, downscaling especially the storage situation within the plant.
 - Initiate an integrative effort beyond to clear the gaps of approval.
- The described steps were to be performed within 3 months, with all works and decisions driven by time-to-market considerations.
- Challenges / Recommendations**

The described steps were to be performed within 7 months, with all works and decisions driven by time-to-market considerations.

Challenges / Herausforderungen

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 revision. This condition was compounded by 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 / Library](#)

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

Result/Experiments

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

Sincerely,

Florent Besson
Manager PMO & Capital Planning at Novartis Europe