

Planning of logistics processes and infrastructure for a steel plant in Oman



SPC Steel Partner Consulting GmbH (SPC) is an international consulting firm with an extensive network of experienced experts who offer comprehensive expertise in plant engineering and the operational management of the steel industry – from ore extraction to finished steel production. The portfolio ranges from feasibility studies, due diligence reviews, and engineering services to innovative green steel studies and customized consulting solutions.

Founded in 2023 as part of a forward-looking succession plan, SPC continues the successful activities and references of the Horst Wiesinger Consulting Group (HWC). Dr. Horst Wiesinger continues to contribute his many years of experience as a consultant. In the role of subcontractor for SPC, TransCare planned the logistics for a steel plant in Oman.

Logistical process planning as the basis for infrastructure planning

TransCare compared various port locations for the construction of a new steel plant. Optimal ship sizes, handling equipment, and port-to-plant logistics were defined for all four locations. Subsequently, TransCare planned the necessary port infrastructure and superstructure. Detailed cost calculations were then made for port logistics and infrastructure/superstructure, and a comprehensive business plan was drawn up.

Business plan as a basis for site selection

The business plan developed by TransCare was incorporated into SPC's overall concept. Based on TransCare's work, SPC was able to provide its client with a clear strategic site preference.

CLIENT

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Our Services

- Ship logistics (optimal ship size planning and rotation schedule)
- Transshipment logistics for inbound and outbound logistics
- Port-to-plant and plant-to-port logistics
- Planning of infrastructure and superstructure for port facilities and land transport between port and steelworks
- Calculation of CAPEX and OPEX and preparation of a 25-year business plan