

KEYPLANTS

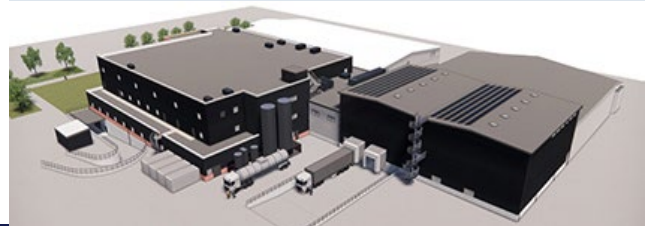
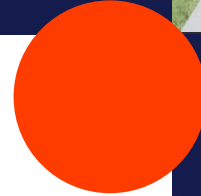
SITE MASTER PLANNING

Selected Design & Execution References



Project Types & Solutions

- Modular / Hybrid Buildings / Process Skids
- Standardized pods / Client Specific Solutions
- Front-End Design / Turnkey Delivery
- Process Engineering / Automation / C&Q
- Consulting Services within Life Science Industry
- Site Master Planning
- Process Simulations



Company	Country	Scope	Type of project	Year
Vaccine Industries Co.	Saudi Arabia	Conceptual Design + Site Master Planning	Turnkey solution for a greenfield facility for manufacturing of vaccines (DS+DP), incl. production, warehouse, QC-labs, R&D and administration buildings.	2023
Confidential	South Sweden	Feasibility study, including Site Master Planning	New green field site for filling of vials, cartridges and syringes, including inspection and packaging, warehouse, laboratories, offices, gowning's, etc	2022
E20 Investment	UAE	Conceptual Design + Site Master Planning	Modular facility for aseptic filling of veterinary vaccines, incl. warehouses, utility center and QC laboratories.	2022
Confidential	Nodics	Site Master Planning	Facility for biomanufacturing (DS) of biosimilars (mAbs)	2021
APL	Sweden, Stockholm	Feasibility study, including Site Master Planning	Proposal for outline for activities in existing buildings as well as project plan, time schedule and cost estimate for implementation of the proposal.	2020
Galderma	Sweden, Uppsala	Site Master Planning, Conceptual and Detailed Design, Execution	Modular fill-finish & packaging facility for aesthetic treatment products, conventional built warehouse and utility generation	Design 2021-2022 Execution 2023 -
Prometic BioProduction Inc.	Canada, Belleville	Feasibility study, including Site Master Planning	Facility for downstream purification of therapeutic proteins (Human plasma derived products based on PPPS process)	2017
Galderma (Qmed)	Sweden, Uppsala	Site Master Planning	Bio & Ethanol based products, including Fill-Finish and packaging	2015
Roche	Singapore or Sanghai	Site Master Planning, Modularization & Feasibility Study	Two Fill finish facilities (one ADC facility and one normal fill-finish) with different optional locations	2014
Octapharma	Confidential	Site Selection and Risk Assessment Study	Site evaluation and risk assessment for a facility for production of human plasma derived products, incl. fractionation and fill-finish.	2014
Confidential	Confidential	Site Master Planning, Conceptual & Basic Design	Biologics and fill-finish facility for production of peptides	2013-2014
RiaPanda	Estonia, Tallinn	Site Master Planning & Conceptual Design	Facility for production of tablets and hard gelatin capsules	2011

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