

ASEPTIC FORMULATION & FILLING FACILITIES

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	Size, m2	Year
Confidential, Big Pharma	USA	Feasibility study	Modular expansion of existing site with a new Fill Finish area	1 500	2026
Confidential, Big Pharma	Germany	Conceptual, Basic Design & Execution	Modular expansion of existing site with a Formulation and filling facility	6 000	2025-ongoing
Confidential	Sweden	Conceptual Design	Fill & Finish incl packaging area within an existing building	1 800	2024
Confidential	Sweden	Feasibility Study, Conceptual Design	Greenfield modular built facility for syringe manufacturing, incl packaging and supporting areas.	4 400	2022-2023
Confidential Global CDMO	Switzerland	Conceptual, Basic Design & Execution	A new modular thawing room facility aimed to increase the capacity of vaccine production	130	2023-2024
Merck	USA	Conceptual, Basic Design & Execution	Expansion of existing site with indoor modules; syringe production incl filling and inspection, buffer preparation, formulation, CIP, VHP, material and staging. Winner of the Lean Construction Institute (LCI) Engineering Design Award 2024.	2 800	2021-2022
Merck	USA	Conceptual, Basic Design & Execution	Expansion of clients existing vaccine bulk manufacturing facility, with a 4-story modular building for vaccine manufacturing with integrated cold rooms and buffer prep areas.	1200	2019 -2020
Vaccine Industries Co.	Saudi Arabia	Conceptual Design + Site Master Planning	Greenfield facility for manufacturing of vaccines (DS+DP), incl. production, warehouse, QC-labs, R&D and administration buildings.	40,000	2023
E20 Investment	United Arab Emirates	Conceptual Design + Site Master Planning	Modular facility for aseptic filling of veterinary vaccines, incl. warehouses, utility center and QC laboratories.	5,570	2022 -
Galderma	Sweden	Conceptual, Detail Design & Execution	Modular fill-finish & packaging facility, conventional built warehouse and utility generation	13,000	Design 2021-2022 Execution 2023 -
Madiba	Senegal	Conceptual, Basic Design & Execution	Modular aseptic filling facility for COVID19 vaccine, indoor modules	680	2021-2022



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Confidential Big Pharma	The Netherlands	Conceptual, Basic Design & Execution	Modular expansion of the capacity on an existing site. BSL2 class modular facility for vaccine formulation and filling of veterinary vaccines. Advanced automated Hydrogen Peroxide Vapor (HPV) decontamination system	1,300	Design 2019-2021 Execution 2022-2023
Eipico	Egypt	Conceptual Design	Two modular facilities: bulk manufacturing facility & aseptic filling facility, greenfield site.	4,460	2021
Ziccum AB	Sweden	Conceptual Design	Modular pilot plant for drying of vaccines, BSL2	750	2021
Advance Pact Sdn Bhd	Malaysia	Conceptual Design	Two modular facilities: bulk manufacturing facility & aseptic filling facility, greenfield site.	2120	2021
Medidata	Malaysia	Conceptual Design	Modular aseptic formulation & filling facility. Alignment of Modular Aseptic Solutions (MAS) design platform. Pre-sterilised cartridges & vials	700	2018
Ferring	Germany	Conceptual, Basic Design & Execution	Modular filling facility for pre-sterilised containers	180	2018-2019
Valneva	Sweden	Feasibility Study, Conceptual & Basic Design	Expansion of a bulk manufacturing and filling facility, BSL-lab (vaccine)	300	2017-2019
Confidential	Latin America	Conceptual & Basic Design, Execution	Modular bulk manufacturing & aseptic filling facility (mAb & therapeutic proteins), greenfield site.	6,300	Design 2014-2016 Execution 2018-2020
Galderma	Sweden	Conceptual & Basic Design, Conventional Execution	Aseptic formulation & filling facility. Pilot scale, for BSL3 contained product. Site Master Plan.		2015-2018
SAUDIBIO	The Kingdom of Saudi Arabia	Conceptual, Basic & Detail Design, Execution	Modular aseptic formulation & filling Facility. Alignment of Modular Aseptic Solutions (MAS) design platform (mAbs), indoor modules	460	2015-2019
Confidential	Eastern Europe	Conceptual and Basic Design	Bulk manufacturing facility for Recombinant Plasma Protein Purification System (PPPS) plasma products & aseptic filling facility. Technology transfer from Prometic, 600,000 L	4,500	2015-2016



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Cipla	India	Conceptual Design	Bulk manufacturing & aseptic filling facility (mAbs). Based on KeyPlants Modular Bio Solutions (MBS) platform	7,300	2016
Roche	Singapore	Feasibility Study	Aseptic formulation & filling facility. Site Master Plan.	2,340	2014
Mega Pharma	Uruguay	Conceptual Design	Aseptic formulation & filling facility (High containment, cytotoxics in vials)	3,400	2014-2015
Cipla	India	Conceptual Design	Bulk manufacturing and aseptic filling facility (mAbs)	1,100	2014
Pisa Pharmaceutica	Mexico	Conceptual & Basic Design	Modular aseptic formulation & filling facility (antibiotics) with 3 LYOs		2014-2015
BioSun	Iran	Conceptual & Basic Design	Modular aseptic formulation & filling facility. Peptides in vials and syringes	1,000	2013-2014
GSK Biologics	Eastern Europe	Basic Design	Modular aseptic formulation & filling facility (vaccine in syringes)	660	2013-2014



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