



عصر الحيوية
BIOERA

We specialize in establishing
Biopharmaceutical facilities through
consortium of local and global companies:
TURN KEY– From idea to production

نحن متخصصون بتأسيس
مصانع الادوية الحيوية من خلال
إتحاد شركات عالمية و محلية
من الفكرة إلى الإنتاج

Our Group Of Biotech Companies

Saudi Bio – Insulin manufacturing (70% acquired by Lifera)



VIC – Human Vaccine manufacturing



BIC – Research and Development



BIOERA – Biotech industrial engineering



AniVax – Animal vaccine manufacturing



Saudi NIBRT– Saudi Institute for Bioprocessing Innovation and Training



Our group of biotech companies plays a pivotal role in achieving the ambitious objectives of the national biotechnology strategy, strengthening Saudi Arabia's position as a regional leader

Who We Are

BIOERA is a leading Saudi-based project management and engineering company headquartered in Riyadh, distinguished by its strategic partnerships with globally recognized organizations and its expertise across the pharmaceutical, biotechnology, and life sciences sectors.

Through strategic partnerships with leading global technology and consulting organizations, **BIOERA** delivers comprehensive solutions covering project management, engineering, scientific and operational consulting, CQV, GMP compliance, technology transfer, and operational readiness.

We support clients throughout the project lifecycle, helping transform concepts into high-quality, compliant, and operational pharmaceutical and biopharmaceutical facilities. Our solutions are designed to improve efficiency, reduce project risks, and meet the requirements of SFDA, GMP, EMA, and other international standards.

With a strong presence in Saudi Arabia and the GCC, including the United Arab Emirates, Kuwait, Bahrain, Oman, and Qatar, **BIOERA** is committed to supporting clients in transforming their concepts into high-quality, compliant, and operational facilities.

BIOERA — Connecting Global Expertise with Local Excellence.



Our Services

From Idea to Production **Turn Key Solution**



**Leading provider
of engineering
technologies for
life sciences.**



**Pharma and
Biotech
consultancy
solutions**



**Engineering
consultancy**



**Biotech and
Pharma Business
development**



**AI-Driven
knowledge
management for
manufacturing
excellence**

Serving the GCC Region

GCC is set up to undertake complete construction activities for industrial projects in the oil & gas, petrochemical, Pharmaceutical and biotechnology manufacturing other industrial sectors and related infrastructure fields, including power & water. Based in Riyadh, BIOERA has the capability to work throughout all areas of Saudi Arabia and other GCC countries. Construction services comprise complete coverage of civil, structural, mechanical, electrical and instrumentation disciplines.



BIOERA Partners - Building Biotech Factories through Consortium



عصر الحيوية
BIOERA



FTSCleanrooms



VALGENESIS™



Our Strategic Partner

BIOERA's Global Strategic Partner

KeyPlants is a global company based in Sweden and a sister company of the German Dorsch Group. It offers comprehensive engineering services, specializing in prefabricated plant design and construction, project management, and facility design for factories, R&D, and innovation centers. KeyPlants provides cutting-edge engineering solutions for the life sciences and advanced technology industries.

The KeyPlants team has successfully managed and executed over 220 industrial projects globally, for the leading companies such as AstraZeneca, MSD, Eli Lilly, GSK, Teva, Galderma, and Saudi Bio. Their proven expertise ensures the delivery of world-class solutions across the biopharmaceutical and life sciences sectors.



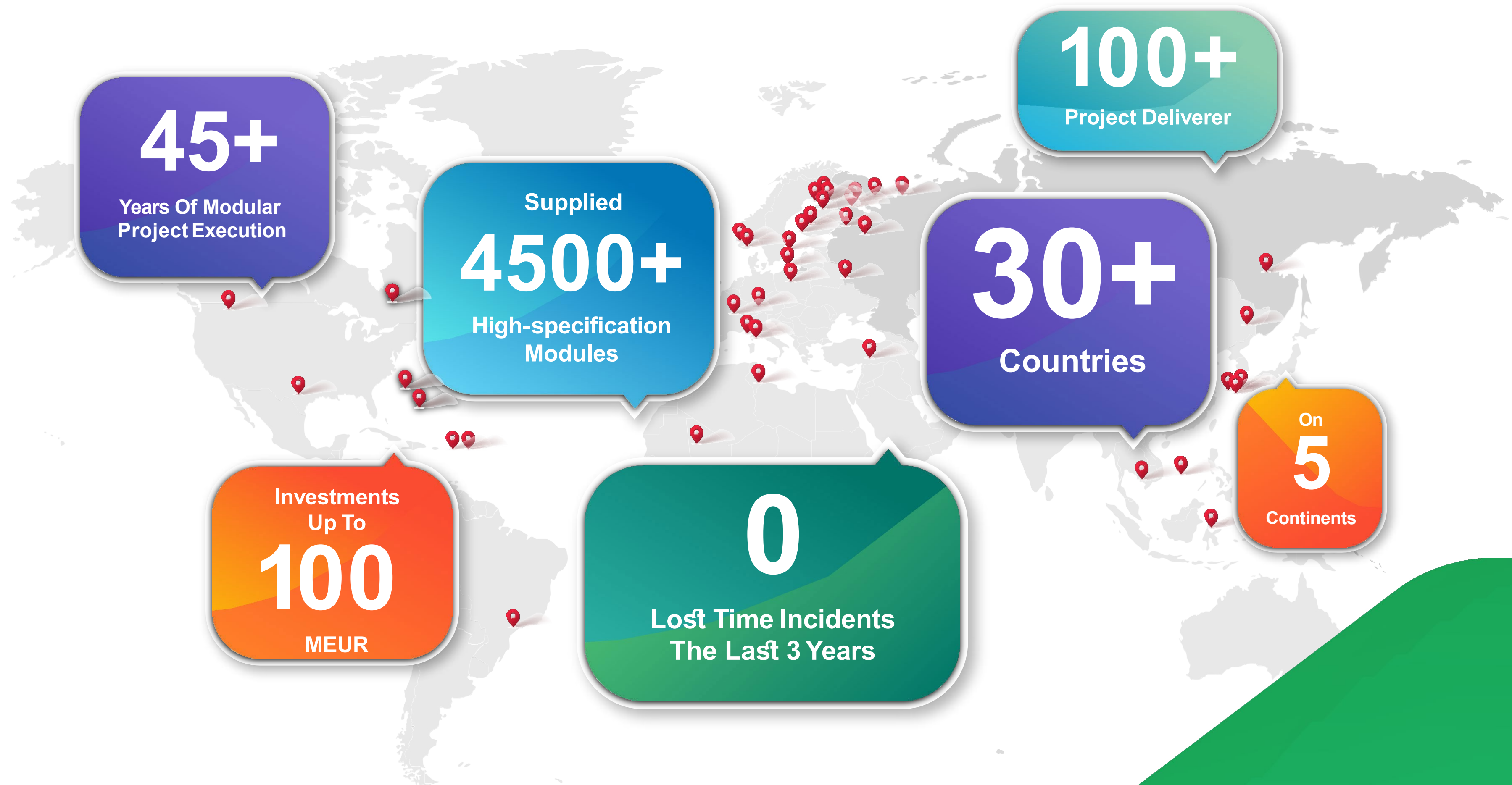
220+ Projects
Delivered

Experience and Trust

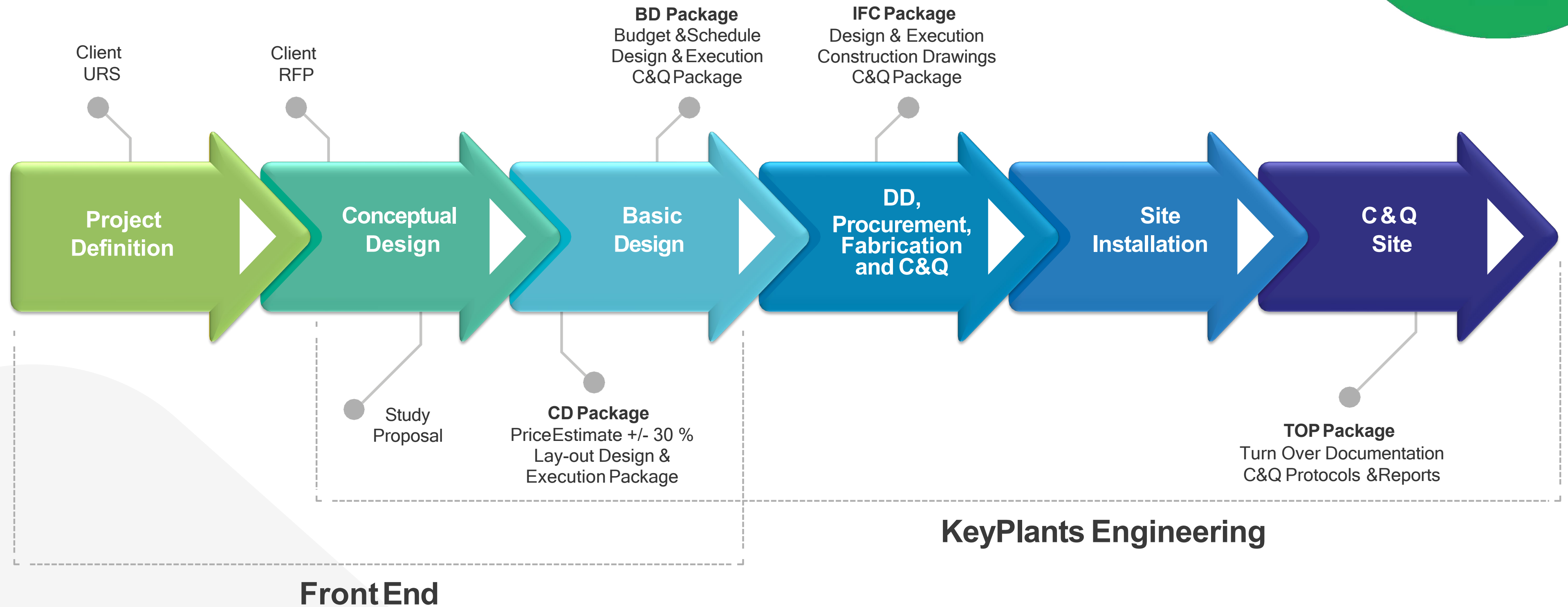
Based on the tradition of industrial innovation in Sweden, KeyPlants became pioneers bringing the modular facility concept to the life science industry. We have developed our ideas and solutions over the years, in close collaboration with leading Big Pharma companies. Today, we partner with several of the top 10 Big Pharma and many regional companies in the world.



Global Experience



KeyPlants Project Execution



Functions Required to Establish Pharmaceutical Manufacturing Operations

Customer	Business Case	Financing	Product Licencing and Technology Transfer Partner
	Organization and Human Resources	Quality System and Training	Regulatory
KeyPlants with Partners	Design	Production Facility Build	Site Infrastructure and Buildings
	✔ Concept Design ✔ Basic Design ✔ Detailed Design	✔ Building ✔ Utilities ✔ Process Equipment ✔ Automation	✔ Infrastructure ✔ Warehouse ✔ QC Lab ✔ Office and Admin
	Additional services from KeyPlants	Technology Transfer Support	Process / Product Validation Support
			Maintenance Support

KeyPlants' Design Platforms:

MBS™ – Modular Bio Solutions

MAS™ - Modular Aseptic Solutions

KeyPlants' design platforms have been developed to simplify the construction of turnkey biopharmaceutical and aseptic filling pharmaceutical facilities. A flexible facility solution for rapid deployment of new biomanufacturing and aseptic filling facilities.

Speed

- ❖ Less design efforts - an Alignment Study saves time for Engineering
- ❖ 4 months delivery time for prefabricated cleanrooms
- ❖ 12 months delivery time for a complete facility for commercial production

Flexibility

- ❖ Configurable to any biomanufacturing or aseptic filling process
- ❖ Ability to add on unit operations such as fill finish
- ❖ Expandable to manage increased demand forecast
- ❖ Mobile to enable re-location

Predictability

- ❖ Fabrication in workshop secures predictable quality and timeline
- ❖ Fixed price on fixed scope after Basic Design

GCC Projects - SaudiBio

Aseptic Filling Facility - Insulin Plant



GCC Projects - Vaccine Facility

Vaccine Industrial Company Saudi Arabia



Our Strategic Partner



Global Biotech
Consultants

Zyme Biotech is a global CQV and biotech project delivery specialist, supporting pharmaceutical and biotechnology companies in transforming scientific and manufacturing objectives into compliant, qualified, and inspection-ready operations. Its capabilities span CQV and validation, technology transfer, project management, construction turnover management, operational start-up, compliance management, sourcing and procurement, and operational excellence. Zyme also integrates digital validation and data integrity solutions to support efficient, risk-based, and inspection-ready GMP operations across global pharmaceutical and biotech environments. Their approach combines technical expertise, global GMP alignment, and digital validation capabilities to support projects from concept through sustained operation.

The logo for Zyme Biotech, featuring a stylized 'z' icon composed of three squares followed by the word 'zyme' in a bold, sans-serif font, with 'Biotech' in a smaller font below it.

zyme
Biotech

How to Build a Digital Validation
Roadmap for a GMP Facility

Four Step Process

Step 01

Discover & Define

Our experts collaborate with you to understand your unique needs and challenges.

- Review of your current operations and systems.
- Identify key areas of improvement.
- Customised Action Plan.

Step 02

Strategize & Plan

Our team develops a strategic plan that aligns with your business goals and the latest industry standards.

- Design a detailed roadmap with strategic initiatives.
- Integrate innovative technologies.
- Measurable goals for implementation.

Step 03

Implement & Optimize

Deployment of strategic plans with hands-on assistance, ensuring that every step is executed with precision.

- Provide onsite and remote support.
- Training and development.
- Guarantee successful execution.

Step 04

Evaluate & Enhance

Refine and optimize strategies for sustained success and future scalability

- Implement feedback mechanisms.
- Use data-driven approaches to measure success.
- Ongoing compliance.

Our Strategic Partner

VALGENESIS™

The end-to-end digital validation platform

Connect design, qualification and production with the unified digital platform for life sciences. Drive new levels of digital transformation, manufacturing intelligence, total compliance, and corporate efficiency.

40,000+

ValGenesis
software users

450+

GMP sites using
ValGenesis
applications

100,000+

GMP systems
validated with
ValGenesis VLMS

30

of the top 50 global life sciences
companies use ValGenesis

20

years of experience
and growth



Our **Strategic Partner** **AI-solutions**



Revolutionizing Pharmaceutical Compliance with AI-Powered Knowledge Management

AskGxP is an AI-powered knowledge management platform designed specifically for the pharmaceutical industry. It helps streamline operations by automating the generation of compliant documents such as SOPs (Standard Operating Procedures) and research protocols. The platform offers instant AI-driven insights, chat assistance for expert guidance, and trend analysis to support decision-making.

Our Local Engineering Consultant Partner



Top 5 Engineering offices in KSA
Approved by Modon

Innovative Solution Provider Client- Centric
Approach Technical Proficiency

Quality Assurance and Safety Standards



Our Strategic Partner



JADWA Contracting Co

JADWA Contracting Company is now one of the leading construction company in the Kingdom of Saudi Arabia, with several major projects in its portfolio. The Company has built a reputation for being efficient and reliable

320+ Built Residential

185+ Built Commercial

80+ Built Factories





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