LIFE SCIENCES 4.0

Integrating Information Technology (IT) + Operations Technology (OT) +
The Internet of Things (IoT) to deliver business results

REALISE THE DATA/DIGITAL PROMISE TODAY

DATA IS AT THE HEART OF THE LIFE SCIENCES INDUSTRY

Life Sciences companies pride themselves on being data driven. They are continuously looking for ways to streamline and improve their systems. Life Sciences 4.0 provides them with the dramatic improvements they seek and is poised to change the face of the industry

PROVIDING ANSWERS

The volume of data in a Life Sciences company is endless. Life Sciences 4.0 delivers end-to-end visibility, transparency, operational excellence, predictive insights and transforms business processes by designing and integrating all the data and control systems on site to create real time insights

ALL-IN-ONE-SERVICE

We deliver all IT, OT and IoT applications, infrastructure and services, from basis of design, detailed design, implementation, qualification, GMP production startup and support. In essence, we provide full project Lifecycle delivery
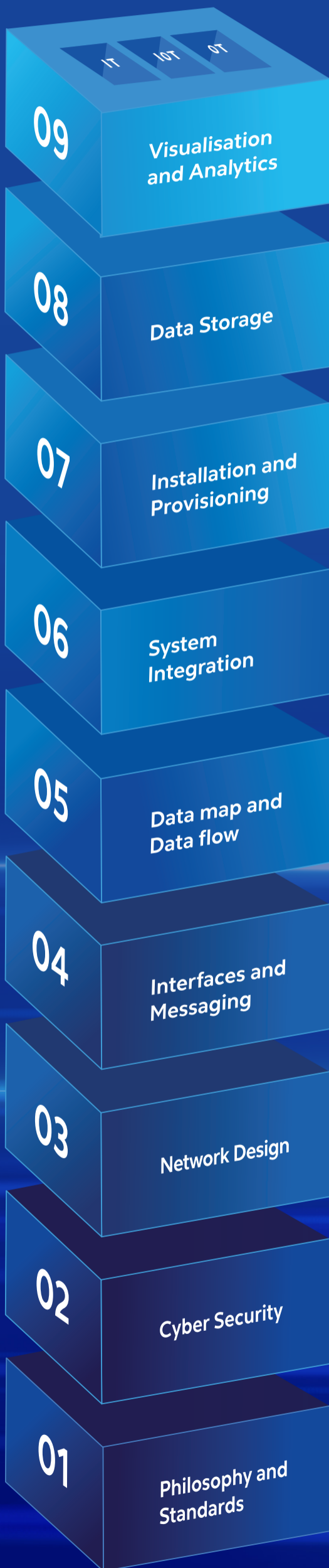
GET ANSWERS FROM YOUR DATA

Today it is not about big data – it is about using your data to answer your questions. We provide the full solution that enables companies to realise the promise of Life Sciences 4.0 today

ZENITH
TECHNOLOGIES

A **Cognizant** Company

COLLECTION, ABSTRACTION & APPLICATION

OF DATA TO CREATE INSIGHT

REALISE THE DATA/DIGITAL PROMISE TODAY

FULL IT, OT AND IOT STACK

09 Visualisation and Analytics
Operational Intelligence by functional area, Quality and GMP Trending and Advanced Analytics e.g., MVDA

08 Data Storage
Cloud infrastructure for GMP and Non GMP data storage including edge, on premises and off premises digital architecture

07 Installation and Provisioning
Software, Hardware, Networks, Servers, Panels, PCs, HMIs and Printers

06 System Integration
System Integrating all applications such as ERP, Supply Chain, QC, QA, LMS, EHS, Facilities, CMMS, DCS, Historian, PLC SCADA

05 Data map and Data flow
Common data hierarchies, reference data terminology, data context and data flows arising from process and analytics requirements

04 Interfaces and Messaging
Connecting, collecting, abstracting and applying data using a Manufacturing Service Bus Platform (e.g., PTC Thingworx)

03 Network Design
Data Centres, Fibre, Copper, Switches, CLAN, Wireless CLAN, Control Panels, IO Subsystem

02 Cyber Security
Technologies, standards, processes and practices protecting networks, systems and data from attack, corruption, disruption and unauthorized access

01 Philosophy and Standards
Corporate and Site Philosophy, Specifications, Software Standards, Data Centres, UPS, Racks, Servers including CSV approach