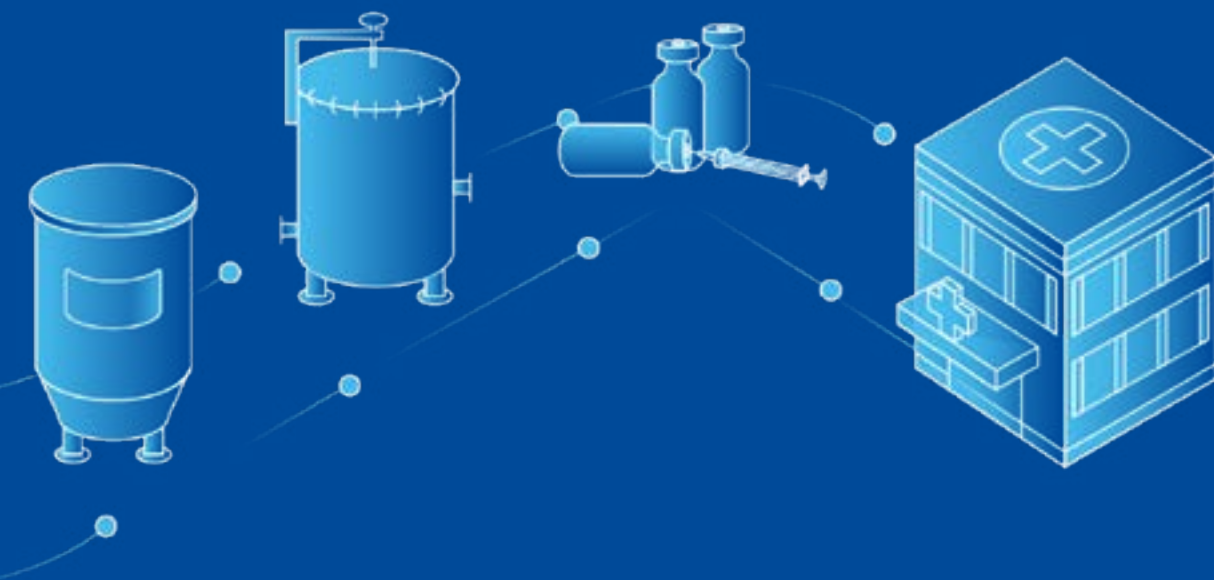




# Serialization



Delivering Excellence in Automation,  
MES and Digital Manufacturing Direct  
to the Life Science Industry

Powering Patient Health  
[www.zenithtechnologies.com](http://www.zenithtechnologies.com)

# Serialization

- + Visibility of your supply chain
- + Adhere to government requirements
- + Inventory control and reverse logistics
- + Safeguard against counterfeits
- + Efficient tracking and traceability
- + Achieve world class packaging

End to end serialization  
implementation &  
support



## Industry Challenges

- 01 Managing your supply chain
- 02 Meeting global requirements
- 03 Protecting against counterfeits
- 04 Justifying the project
- 05 Sheer size and impact of the project
- 06 In house expertise and time to implement
- 07 Defining the right project architecture, design and execution
- 08 Ensuring all departments work together to achieve success
- 09 Keeping costs down
- 10 Multi-site roll out
- 11 Post project support

## Serialization - An Introduction

Zenith Technologies work in partnership with Life Science companies to develop, implement, maintain and support robust serialization strategies across the globe.

By combining our experience of the Life Science industry with our expertise of implementing large projects, Zenith has already successfully implemented multiple serialization projects across 12 countries, 50 lines and with an average implementation schedule of 6 weeks.

Our first-hand experience of serialization project implementation has enabled us to develop a strong skill set using proven methodologies and independent technology selection.

### Our Approach to Serialization

Serialization impacts nearly every department from line level machinery to IT's role for plant level MES. We engage with multiple departments, to successfully project manage the complete solution; from pilot testing through the go live date and beyond.

We deliver best practice workflows to drive business improvements forward using the following four phase approach:

> Assess and Design - offering consultancy, regulatory expertise, project justification, technology selection advise, managing the stakeholders, program design and best practice architectures

> Project Build - including line assessments, schemas, change management, and educational learning design and execution

> Deploy - full solution delivery, standardisation deployment, installation management, installation documentation, and release management

> Support - post installation support, 24 /7 state support, managing the line impact reports (OEE), training solutions.

The key to our implementation techniques is flexibility, we design the systems to meet your individual requirements and ensure the system can grow enterprise wide compliance, layer encoding, local serial number management, enterprise system and regulatory reporting.

We work in partnership with all our customers to document the chain-of-ownership, reason for exchange, identity of each item and certifiable owner, as well as implementing solutions to track materials from manufacturer through the wholesaler to the end of the supply chain.

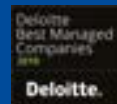
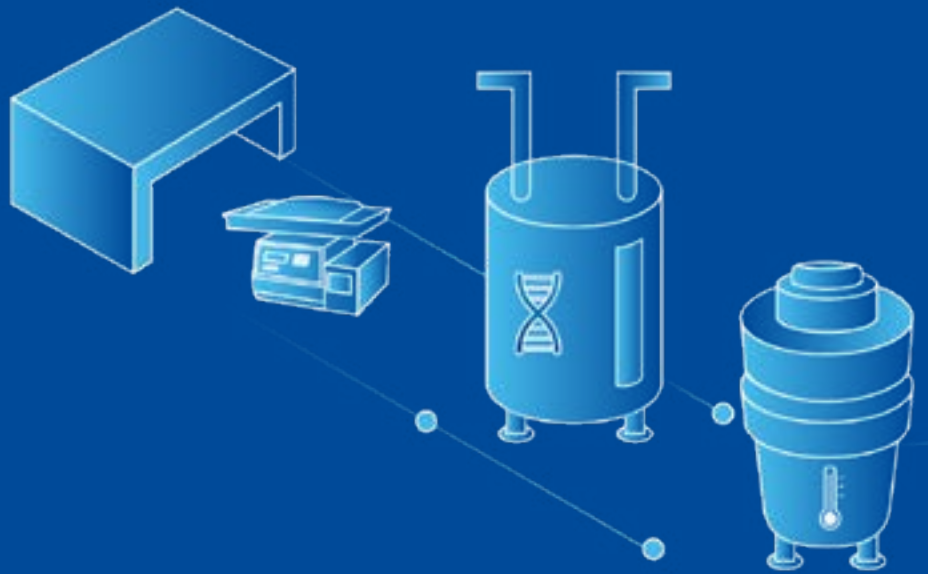
We ensure that goods can be traced back up the supply chain to identify where they have been.

Finally we implement systems for authentication.

## Meeting your Challenges

- 01 Complete visibility of your supply chain
- 02 Adhere to compliance regulations
- 03 Safeguards against counterfeit goods
- 04 Documented evidence on standards
- 05 Reduce the impact of product recalls
- 06 Roll out across multiple sites and locations
- 07 Utilise our expertise, proven methodology and independent technology selection
- 08 Minimal implementation time / production time
- 09 Make line efficiency improvements
- 10 Access expert support

# Your Global Life Science Partner Powering Patient Health



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