



Introduction

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Introduction

Enterprise System Partners is a project engineering company that provides systems and solutions for manufacturing facilities in the life science industry.

- ERP
- Manufacturing Solutions e.g. MES, Serialisation
- Process Automation Solutions
- Laboratory Automation Solutions
- Integration of Systems

Established since 2003



Services & Solutions

Partners in the Life Science Industry for

Systems Master Planning

- Improve Return on Investment
- Product & Vendor Independent Solution Design
- Planning & Leveraging from initial design for multi-site roll-out
- Project Capital Approval

Project Implementation

- Front End Studies
- Vendor Selection
- Project Management
- Design
- Engineering
- Computer Validation
- Training

Project Resourcing

ESP Support Automated Systems for the Entire Landscape

Front End Studies

System Master Planning

Project Planning

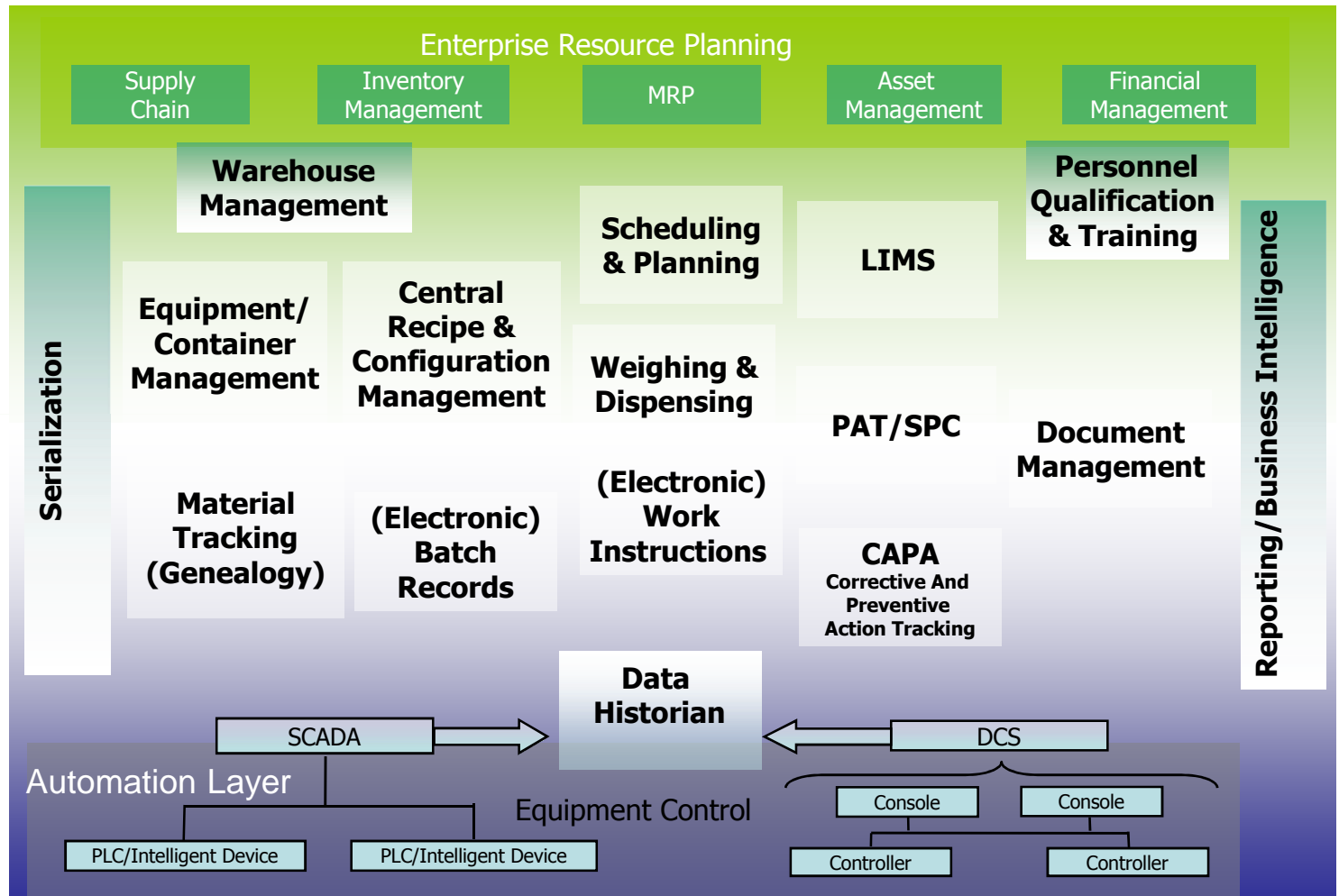
Vendor/System Selection

Project Management

System Validation

Technical Resources

Training



...including system integration



Our Key Strengths

- Exclusive focus on manufacturing systems for the life science industry
- Wide experience covering ...
 - All manufacturing systems
 - All areas of life science industry
 - Regulatory and compliance issues
 - Business drivers e.g. Serialisation, PAT, RFT, JIT, 6 Sigma
- Management of Global & Plant level system deployments ...
 - Program Planning and Budgeting on multi-million euro projects
 - Requirements, Design, Rollout, Qualification
 - Team assembly and management
 - Vendor selection and management
 - Project Management and Reporting
- Vendor independence

Benefits of Using ESP as a Partner

An experienced vendor independent voice focused on your real needs in the delivery of solutions:

- **Shortened design/review cycle** & minimising risk of building in design flaws upfront i.e. as our people come from a manufacturing and a system background, we understand the practical pitfalls/watch-outs in implementation.
- Bring **best practice in design, implementation and validation** from across our industry.
- Experienced in the practical application/configuration of the major systems **reducing coding/configuration cycle time & possible need for customisations** in modelling plant processes.
- **Reduced validation costs** – templates and established approaches to validation that pass regulatory audits (FDA, IMB etc).
- **Improved responsiveness on technical issues** & potential project roadblocks
 - On-site presence with local support in Ireland and U.S.A.
 - In-house technical knowledge of most major systems
 - Established relationships with most of the major vendors.
 - As there are often interactions between multiple systems, we can draw on a broad range of in-house experience as required – ERP, MES, LIMS, DCS, PLC/SCADA, Data Historian etc.

Our Team

Strong cross functional systems team of 50 engineers dedicated to the life science industry, with key individuals having more than 20 years relevant experience.

– Project/Technical Management

– Technical Engineering

MES (e.g. Camstar In-site, Honeywell POMS, Rockwell PMX, Siemens XFP, Werum PAS-X)

Serialisation

LIMS (e.g. Labware, Sample Manager, SQL LIMS))

ERP (e.g. JDE, SAP)

Automation (PLC/SCADA, DCS)

– Validation

inc MES, ERP, Automation

Sample Projects

Abbott, Cork

- SAP

- Project lead support

Allergan, Westport

- MES

- Front End Study

Centocor (J&J), Cork

- MES vendor support
- Laboratory Systems
- Manufacturing Systems
- ERP
- Data Historian
- CAD File Management

- Werum PAS-X version 3 technical support
 - LIMS management & lab validation
 - Front End Study
 - SAP business analysis, configuration & validation
 - technical lead & validation
 - project lead support on document management implementation

Cordis (J&J), Cashel

- MES
- Process support

- Camstar Insite implementation
 - validation

DePuy, Cork

- Supply Chain Project Support
- Process support

- consultancy
 - validation

Elan, All sites (Athlone, 2 US sites)

- ERP/MES

- system review & implementation plan across 3 sites

GE Healthcare Ireland/Global

- Serialisation

- Fill/Finish Line Serialisation implementation & validation

Genzyme Europe

- MES Global
- MES Ireland
- MES Geel, Belgium
- MES Lyon, France
- MES Haverhill, UK
- Serialisation Ireland
- Data Historian Ireland
- LIMS Ireland

- Werum PAS-X implementation & validation
 - Werum PAS-X implementation & validation
 - Werum PAS-X Design Workshops
 - Werum PAS-X Design Workshops & project lead
 - Front End Study
 - Fill/Finish Line Serialisation implementation & validation
 - lead, implementation & validation
 - lead, implementation & validation

Genzyme North America

- MES Global
- MES Framingham MA,
- MES Allston, MA,
- MES Sydney St, MA

- Werum PAS-X implementation & validation
 - Werum PAS-X implementation & validation
 - Front End Study
 - Front End Study

Gerard Laboratories, Ireland

- W&D

- Werum PAS-X support on system modifications

Gilead Ireland

- SAP to JDE Migration
- MES interface to JDE

- Front End Study
 - Werum PAS-X Design & implementation

MSD Ireland

- MES Rathdrum
- MES Swords
- Automation Swords
- SAP Swords
- MES Brinny, Ireland
- Process Automation, Rathdrum

- Werum PAS-X: Project management, MBR Implementation & validation
 - Front End Study
 - project engineering, validation, vision systems
 - validation
 - High level Front End Study
 - technical lead, validation

NP Medical, MA USA

- MES

- project & validation consultancy

Rottapharm, Ireland

- MES

- PAS-X FS development & workshop support

Teva, Ireland

- MES

- Front End Study

Pfizer

- MES Grange Castle
- MES Loughbeg

- Rockwell PMX - technical lead, development & validation
 - Rockwell PMX - technical lead, development & validation

Vistakon (J&J)

- Process support

- validation



Any Questions?

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