



Integral Pharma Services

Recent Clients

Eli Lilly - Basingstoke

Process and equipment engineering services as part of the basic design of a new tablet granulation facility within an existing building.

GlaxoSmithKline - Stevenage

Commissioning management of a refurbished single fluid heat transfer system, including detail programme planning.

Avecia Biologicals - Billingham

Detailed design and provisional of a small scale ultra-filtration skid including the provision of IQ and OQ protocols.

Chiron Vaccines - Liverpool

Project management of an outsourcing project. Project focused on a number of single-use assemblies used in vaccine and media production.

Pfizer - Biopharmaceuticals - Sweden

Preliminary design and specification of process equipment for a new biopharmaceutical production facility. Process steps included fermentation, harvesting, purification and bulk filling.

Excelsyn Molecular Development - Holywell

Concept Study for a new GMP facility for contract manufacturing of APIs with isolation and drying equipment.

Rosemount Pharmaceuticals - Leeds

Concept Study for an extension to a liquids formulation facility.

Pre - Sanction Phase

Development of Project Scope

- Feasibility Studies
 - Design Basis
 - Costed options and outline project time line

- Basic Engineering
 - Facility, process and equipment design
 - Vendor pre-qualification
 - Sanction estimate and detailed project programme

Project Implementation Phase

Detailed Design - Technical and GMP reviews of the design

- Procurement
 - Purchase specifications for equipment packages
 - Technical and commercial bid appraisals
 - Procurement recommendations

- Construction
 - Technical appraisal of vendor designs
- Supervision
 - Technical supervision of the construction

Commissioning and Validation

Integrated testing, commissioning and qualification

Validation from Validation Master Plan through PQ to full Process Validation

Pre-approval Inspection Consultancy

Services



Integral Pharma Services Ltd, The Cottage, Parbutts Lane, Church Street, MALPAS, Cheshire SY14 8PB

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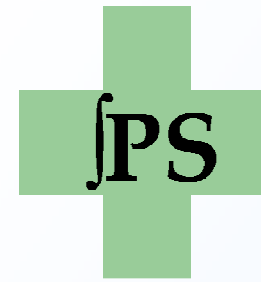
Branch Offices

North East
Darlington, Co Durham

South East
Leighton Buzzard, Beds

South West
Marlborough, Wiltshire

Date: August 2007



Integral Pharma Services Ltd

Capital Project Services



Pharmaceuticals, Biopharmaceuticals and Radiopharmaceuticals

Pre-sanction scope development.

Project implementation

Commissioning and Validation

Compliant Solutions for Profit

Do your capital projects meet your business objectives?

Projects late and over budget?
Facilities not compliant with SHE and GMP regulations?
Facilities difficult to operate and maintain?
Running cost higher than expected?
Products not aligned to customer needs?

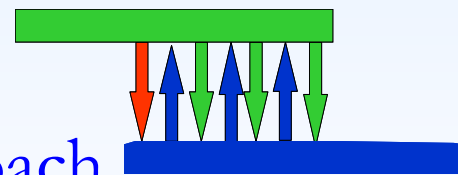
Or, maybe you are worried that your next project will have these problems.

Either way we can help.

Gain confidence from our approach that can be tailored to your needs.

Flexible interactive project approach
Simple discipline interaction leading to integration with the users
Focused technical skills relevant to user needs
Extensive project experience from small upgrades to new facilities

Interactive Project Approach

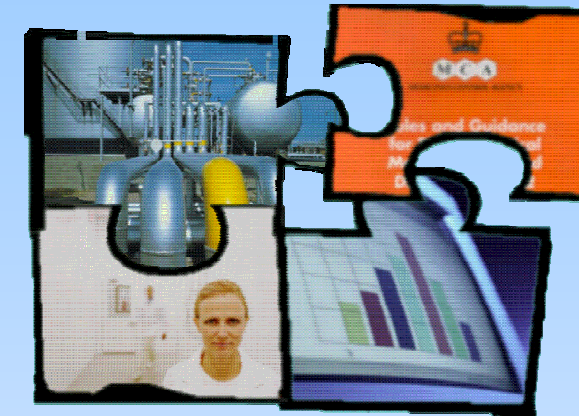


Early interaction with users to development the project scope
Innovative solutions leading to costed options.
Managed project implementation using the work package approach.
Integrated commissioning, qualification and process validation.

Simple Discipline Interaction

Process and Equipment Design

GMP and Regulatory Compliance



Facility Design

Project Management

Excellent Technical Skills

Professionally qualified staff
Extensive technical libraries and databases.
Computerised document preparation and control.
CAD facilities - Autocad® and Visio®

Why not call us to discuss solutions to your engineering or manufacturing problems on 07798 866102