



Professional Profile

David Hatch

Fields of Competence

- Process Hazard Analysis
- Hazard and Risk Management
- Process Design & Batch Modeling
- Requirements Specification
- Safety Instrumented System Design
- Human Factors Engineering
- Safety Critical Systems Project Management
- Alarm Management
- Commissioning & Operation

Experience Summary

David Hatch has 20 years Design, Commissioning, Operating and Consulting experience in the Oil & Gas, Pharmaceutical and Chemical industries.

This experience covers blue-chip operating companies (BP, Shell & GSK), major multinational engineering contractors (Jacobs, Foster Wheeler & Stone & Webster) and system suppliers (Emerson Process Management)

Mr. Hatch has a BSc(Hons) in Chemical and Process Engineering, is a Chartered Engineer and Fellow of the Institution of Chemical Engineers in the UK

He is a member of the IChemE Safety & Loss Prevention Subject Group and a specialist in Process Automation, Hazard Analysis and Alarm Management; authoring and presenting papers on these key subjects.

Credentials

Batchelor of Science in Chemical & Process Engineering – University of Strathclyde 1986.

IChemE Registered Safety Professional.

Certified Functional Safety Expert (CFSE).

Key Projects:

Co-development of Safety Instrumented System (SIS) processes and procedures for Emerson Process Management.

Development of Alarm Management processes, procedures, training and tools for Emerson Process Management.

Technical Director for IChemE approved courses on:

- CHAZOP
- Specification of Process Automation Systems.

Leader of HAZOP, CHAZOP & SIL reviews for various pharmaceutical projects.

Development of Electronic Permit-to-Work system and Process Visualization tools.

Development of site safety procedures for Process and Programmable Electronic Systems on top-tier COMAH site, including Safety Reviews, Control of Electrostatic Hazards and Alarm Management guidelines.

Co-development of DSEAR/ATEX compliance and Hazardous Area Classification guidelines for blue-chip Pharmaceutical company.

Co-development of control, shutdown & blowdown philosophy and preparation of Cause & Effect diagrams for Shell Exploration project.

HAZOP Chairman, Independent Engineer & Secretary on major studies including BP Exploration projects and explosives production facilities.



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Key Projects (continued)...

Training of engineers in Risk Control and HAZOP technique.

Project Management on various green and brownfield process projects.

Commissioning Coordinator and System Management for various process and automation projects.

Development of Validation Master Plans and IQ, OQ & PQ protocols for new vitamin process.

Training and Development of Graduate Chemical Engineers.

Employment Summary:

2006 – Present:

Partner - Exida.

2003 – 2006:

SIS Consultant – Emerson Process Management.

Project Engineer – Emerson Process Management.

1998 – 2003:

Director/Consultant – Intuitive Process Ltd.

1996- 1998:

Senior Project & Systems Engineer – SmithKline Beecham.

1995:

Senior Process Engineer – Jacobs Engineering.

1994 – 1995:

Validation Engineer – Foster Wheeler Energy.

Senior Process Engineer – Foster Wheeler Energy.

1993 – 1994:

Senior Process Engineer – McDermott Engineering (Europe).

1990 – 1993:

Technical Supervisor – Ythan Design Management Ltd.

1987 – 1990:

Process & Project Engineer – Beecham Pharmaceuticals.

1986 - 1987:

Assistant Engineer – Stone & Webster.

1985:

Chemical Engineer – ICI Organics.

Affiliations:

Fellow of the Institution of Chemical Engineers (FIChemE)

Member of the Institute of Measurement & Control (MInstMC)

European Engineer (FEANI), Member (EurIng)

Instrument, Systems & Automation society (ISA), Member.

International Society for Pharmaceutical Engineering (ISPE), Member

Selected Magazine Articles:

Writing a User Requirement Specification,
The Chemical Engineer
Feb 2001.

Structural Knowledge Auditing,
The Chemical Engineer
May 2003: (Co-author Dr Steve Davison - Mimica)

Alarms – Prevention is Better than Cure,
The Chemical Engineer
Jul 2005.

Selected Technical Papers:

Writing a User Requirement Specification,
Manufacturing Excellence – UK.
2002

The Case for Separate CHAZOP & COOP Studies,
Manufacturing Excellence – UK.
2003. (Joint Presentation with Dr Jon Love - PACT)

Alarms – Prevention is Better than Cure,
Manufacturing Excellence – UK.
2004.