

1909365

by Matthew Davies

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Cold Blast Valves Software Upgrade Project

MATTHEW DAVIES



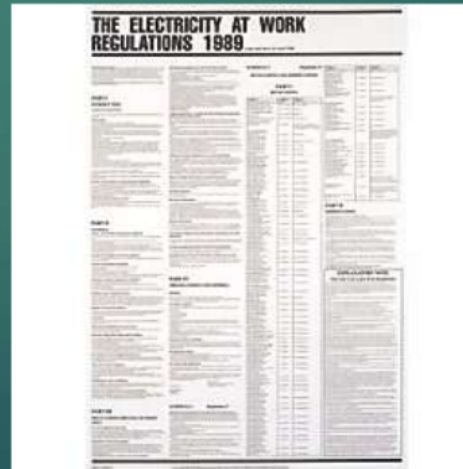
Project background, problem definition and constraints

BUDGET = £40,000

CONTROL SYSTEM UPGRADE FOR PROCESS
SAFETY IMPROVEMENT

Project risks, health and safety etc

- ▶ Potential budget and time constraints
- ▶ On-line testing will only be possible with both Blast Furnaces offline



HASAW
DUTIES EMPLOYERS

SAFETY POLICES/RISK ASSESSMENT (+5 persons)

Objectives- improving H&S at work, and increase employees awareness of H&S and look after H&S of others, for example, members of the public

To prepare a **written statement** of their safety police

Organisation- means people and their responsibility

Arrangements -means systems and procedures

Keep up to date- working conditions are changing

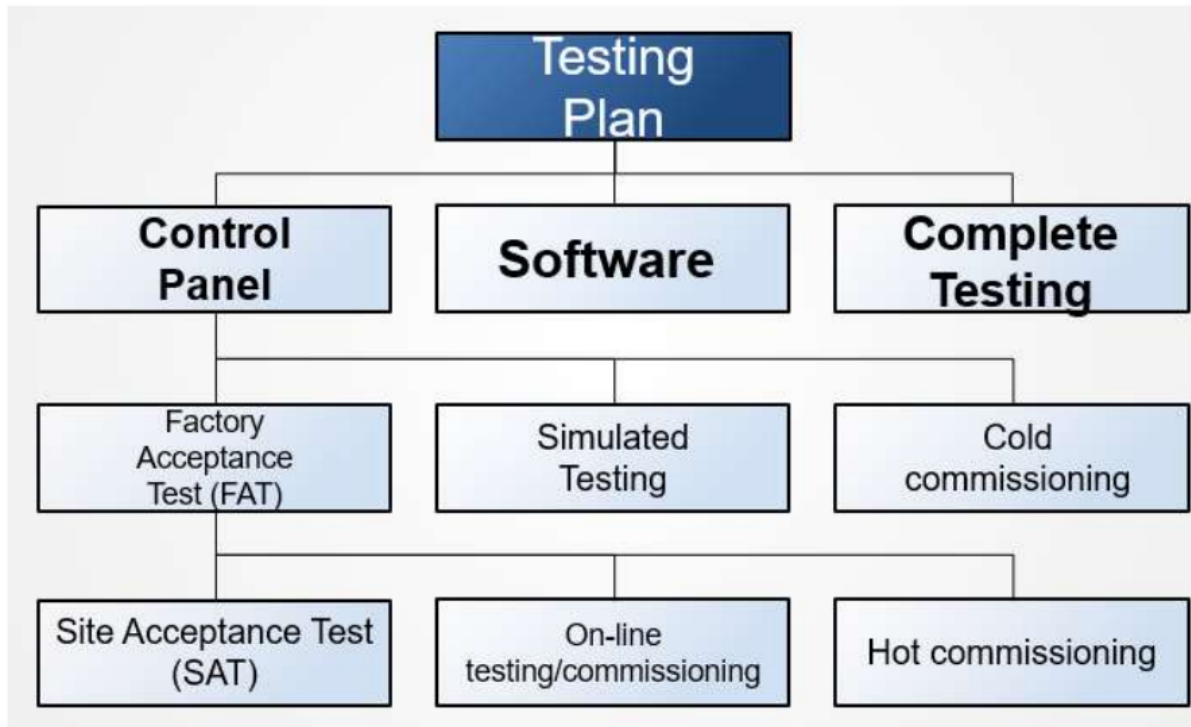
Talk to safety representatives

Safety representatives and safety committees

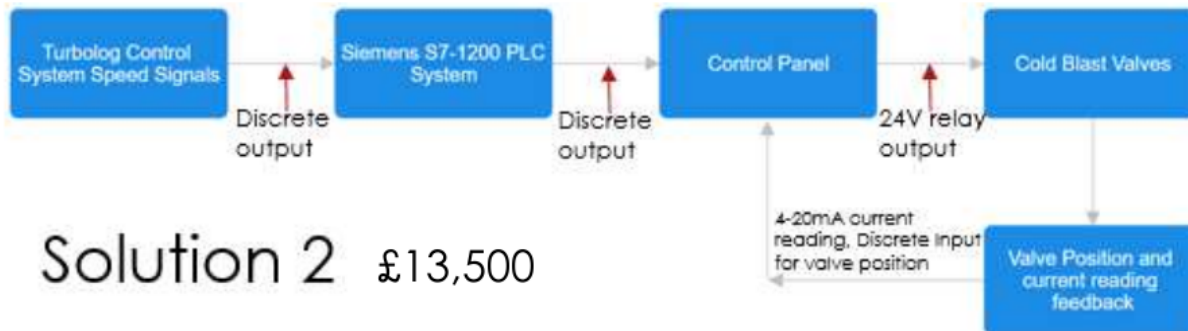
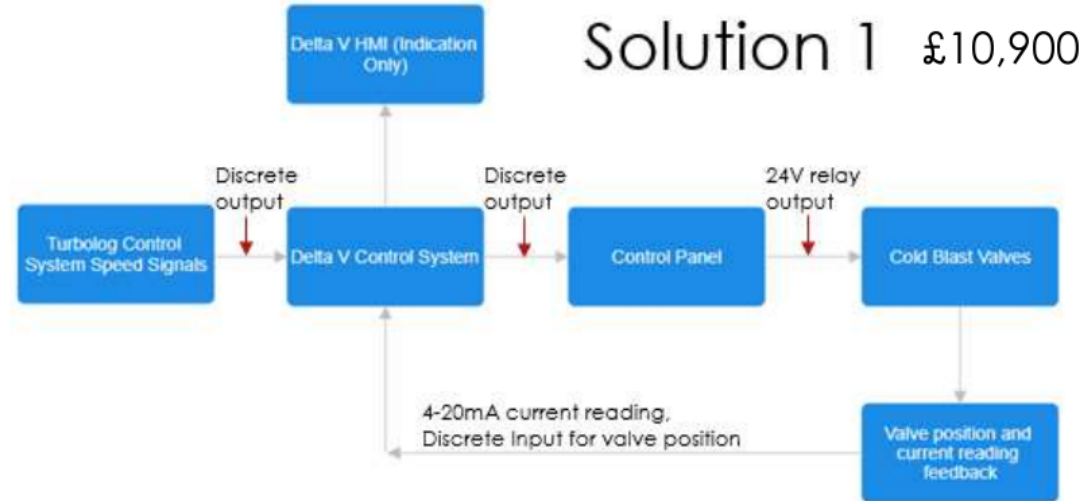
To represent the employees in consultations with their employer about H&S matters.

2 representatives- to set up a safety committee

LIFTING
REGULATIONS



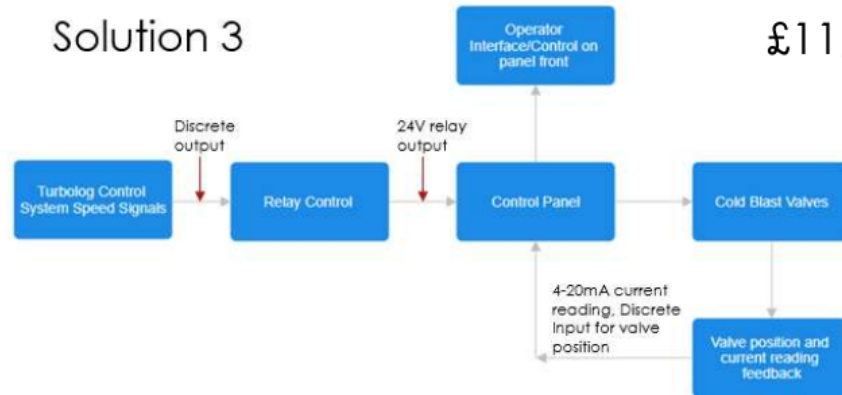
Test planning



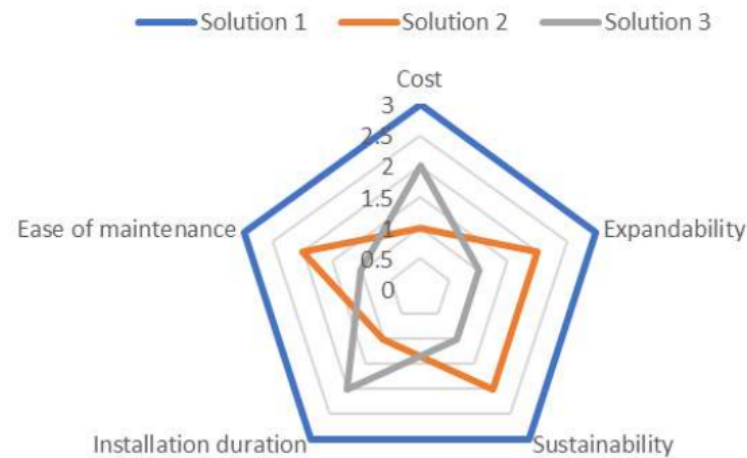
Review of 3 solutions and justification of chosen solution

Solution 3

£11,300

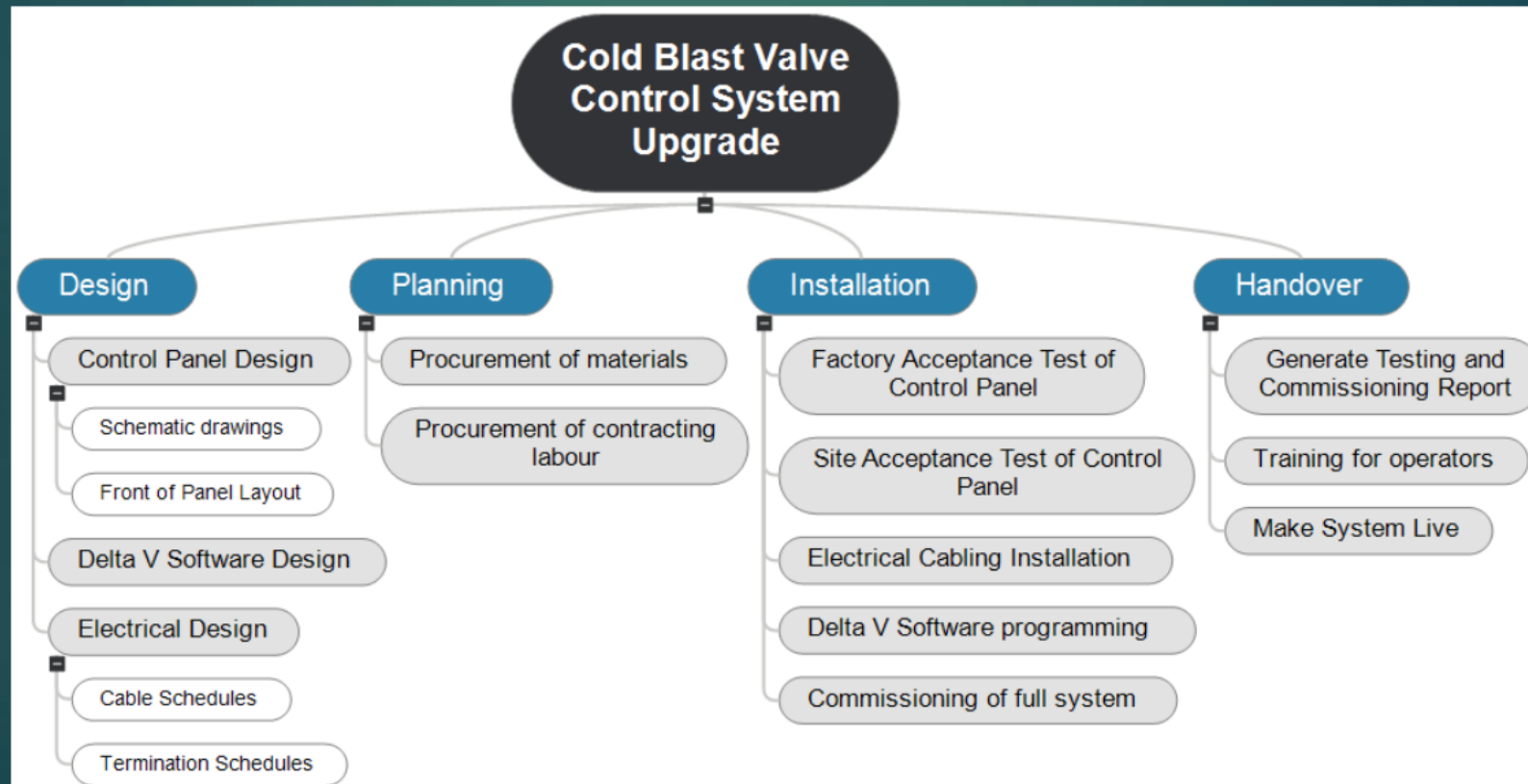


Choice of Solution



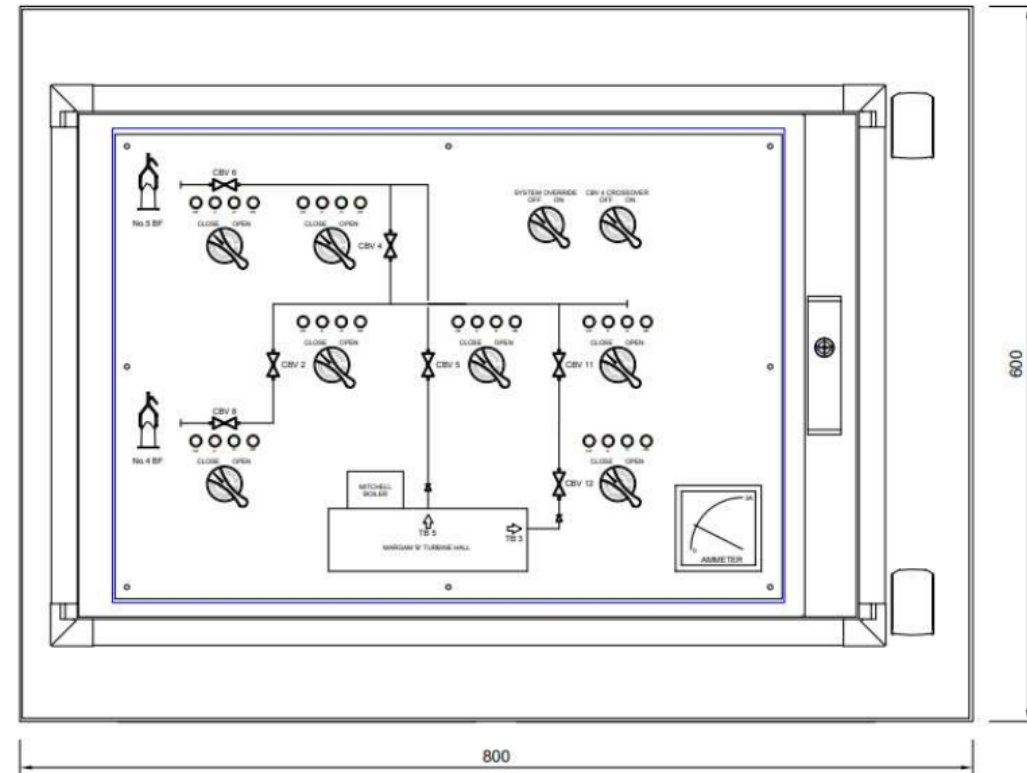
Review of 3 solutions and justification of chosen solution

Project planning and WBS



Progress made to date

- ▶ Control panel design finalised. Including front layout and schematic drawings.
- ▶ Delta V control modules created in preparation.
- ▶ Software specification and design produced.



FINAL GRADE

GENERAL COMMENTS

64/100

PAGE 1

PAGE 2

PAGE 3

PAGE 4

PAGE 5

PAGE 6

PAGE 7

PAGE 8

PAGE 9

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64

1. ENGAGEMENT WITH LITERATURE

 NA

2. KNOWLEDGE AND UNDERSTANDING

 Project background and problem definition (6/10)
Project constraints, risks, health and safety (7/10)
Response to questions (7/10)

20

3. COGNITIVE AND INTELLECTUAL

 Functional Design Specification (5/10)
Test planning (5/10)
Project Planning and management methods (7/10)

17

4. PRACTICAL APPLICATION



Review of Solutions (7/10)
Justification of final solution (8/10)

15

5. TRANSFERABLE SKILLS



Quality of the presentation slides (7/10)
Quality of the delivery style (5/10)

12