



Use of Bristest tools / approach to aid communication and problem solving

Oh No! It has all gone horribly wrong!

We've never had a problem before in the lab
What have the engineers done!



It won't dry! It's been on the filter for days.
What were the chemists thinking of!



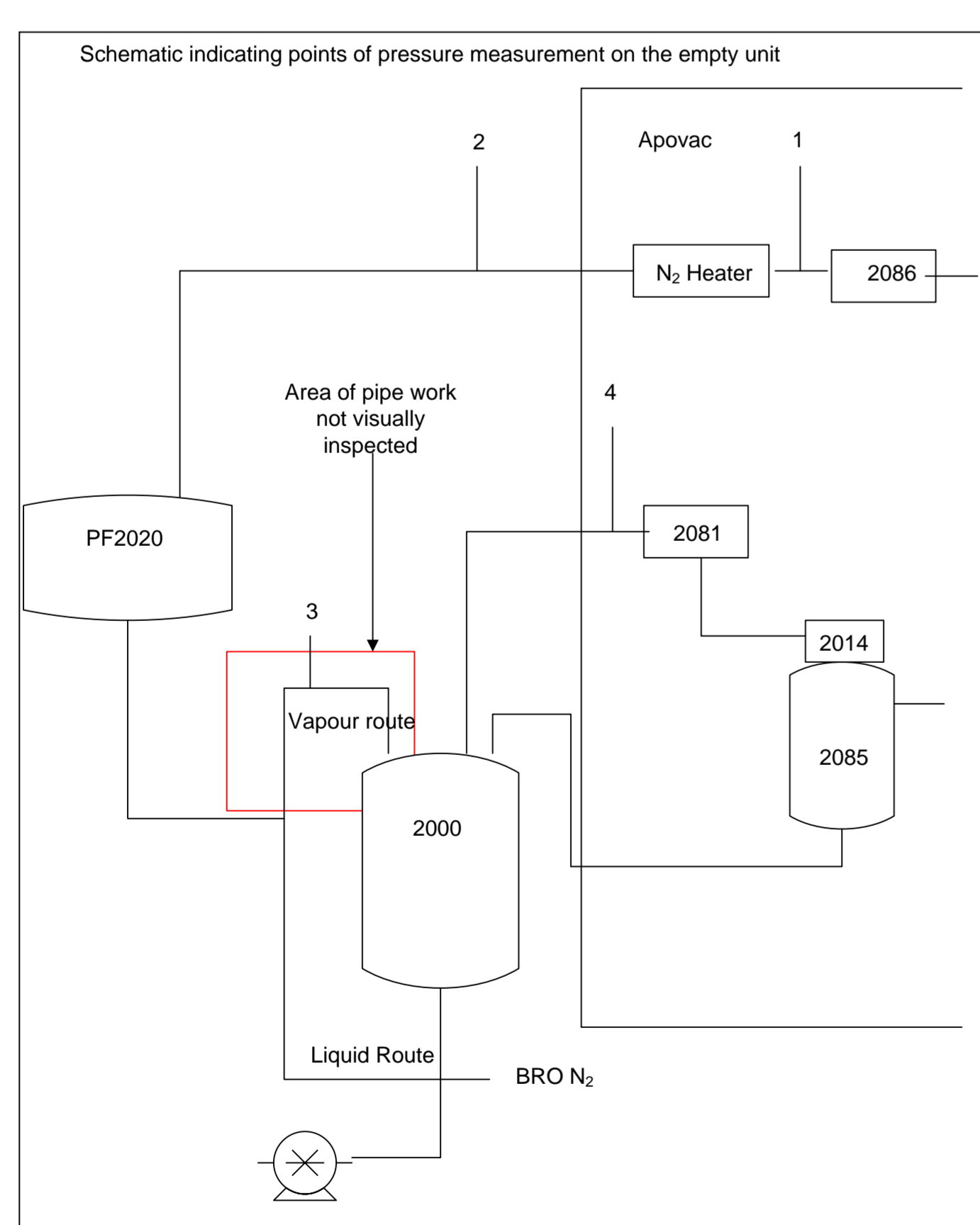
The Challenge:

The company had an established drying process running in a unit with four pressure filters. On one of the filters the product took three times as long to dry.

- **This had been ongoing for three years with impact on cycle time.**
- The product was known to have a poor form which needed careful handling.
- There had been operator changes to evolve the drying protocol.

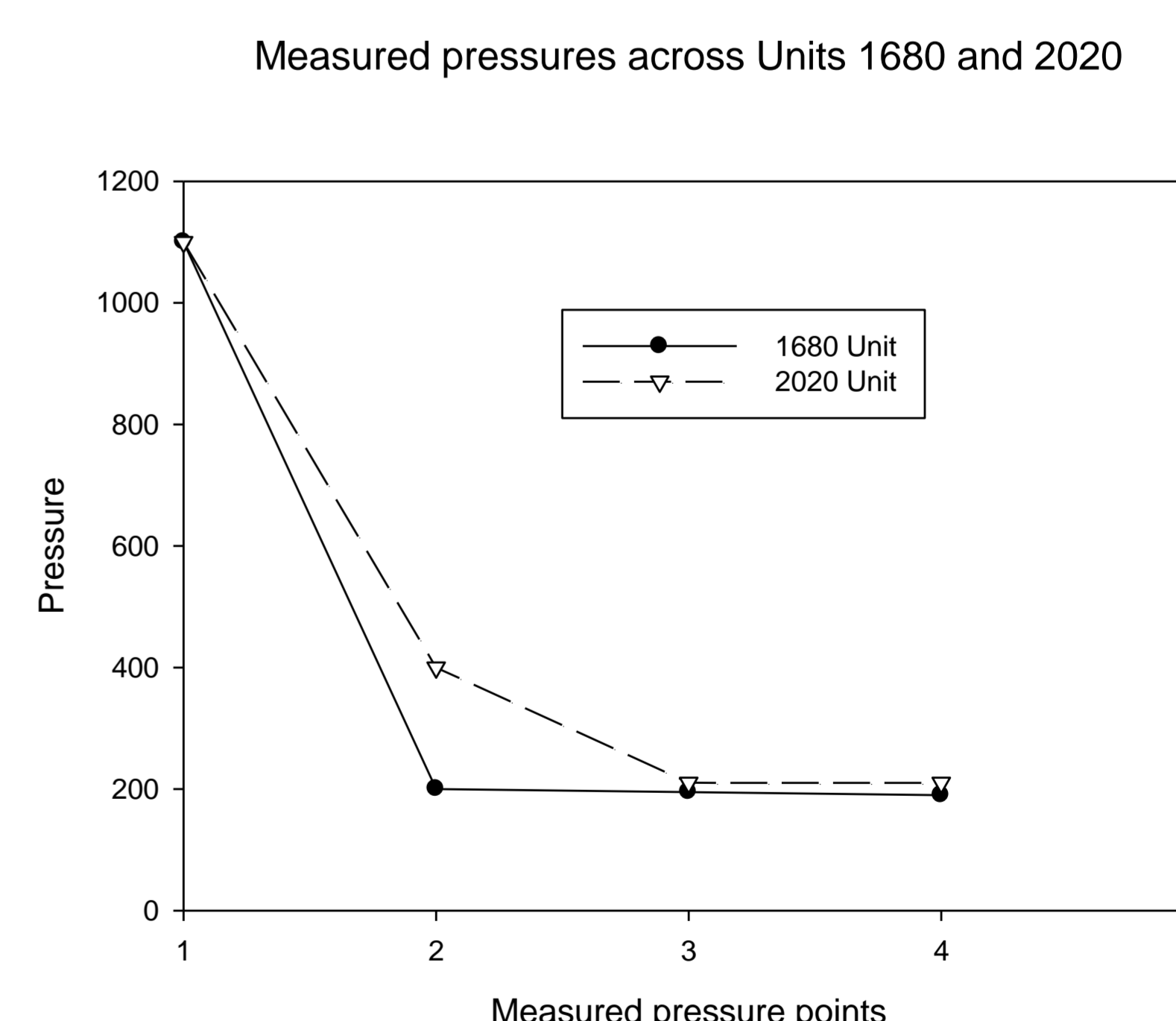
The Approach:

- The team sought to analyse the problem from first principles
- They used Bristest tools to gain a fundamental understanding of what was going on in the process (Initial Screening Analysis, Process Definition Diagrams and Rich Pictures).
- The Bristest study identified a potential problem with the re-circulating nitrogen system and generated an action list which ultimately identified the root cause of the problem.



The Outcome:

All units now operating as expected.
Value to Company - £500K p.a.



Bristest approach encourages chemists and engineers to work in harmony

**Supporting organisations in gaining value
from process understanding**