



**Delivering  
Industry 4.0**  
Business Process  
Mapping for  
**PennEngineering®**



**VERSION 1**



*PennEngineering® has been a global leader in the fastening industry since their founding in 1942.*

*The company's expanding portfolio of fastener designs and technologies continues to keep pace with the challenges presented by an ever-evolving marketplace.*

## **The Challenge**

### **Supporting the Industry 4.0 Programme**

The challenge presented to Version 1 was to support the PennEngineering Industry 4.0 programme to work and deliver improvements to address training deficiencies, user inefficiencies and key pain points.

Version 1 identified that in order to support the Industry 4.0 programme, a full set of “As-Is” process diagrams and process documentation was key. This would help provide a clear baseline to work from to develop capabilities in Industry 4.0 locally and across the wider group.

## **Solution**

### **Process Analysis**

Version 1 consultants worked with Business Process owners in key Planning and Manufacturing areas, including Product Data Management, Quality Management and Shop Floor Control to understand and map complex business processes, and to deliver a comprehensive set of process diagrams and documentation.

This mapping enabled a real targeted focus on process analysis, process modelling, and process optimisation that stimulates process improvement and automation. Users now have a far better understanding of these key business actions and how their role fits within the overall organisation, making it easier to target and resolve pain points.



“ Once Version 1 started producing the “As-Is” Process diagrams, opportunities for improvements became obvious across the teams, allowing people to implement changes that immediately produced efficiencies at the coal face. Having the flows graphically available allowed operators, production managers, system administrators, and executives to immediately take ownership of issues and implement positive change in their individual areas of responsibility. We now have a clear baseline to work from in developing our i4.0 capabilities both locally and across the wider international group.

– **Mary Ann Fleming**, President of PennEngineering® EMEA and Haeger Machine Division Global

### Real Differences, Delivered.

As a result of this engagement, the following benefits have been delivered and continue to further PennEngineering®'s operations:

- Comprehensive understanding of the process.
- Clear documentation of current baseline processes.
- Improved user engagement.
- Targeted process improvements, including:
  - Consolidation of repeated activities.
  - Process re-engineering to deliver efficiencies.
- Enhanced user training materials that support onboarding of new employees.
- Standard operating procedures.
- Support for pain point investigation.



To find out how Version 1  
can support your ERP  
Transformation, contact us:

[www.version1.com](http://www.version1.com)

