

The logo features the letters 'TDDW' in a bold, black, sans-serif font. To the right of the text is a circular emblem containing a white heart rate line. The entire logo is set against a large, bright yellow circle. The background of the slide is black with several thin, concentric white circles and a few curved white lines, creating a technical or data-oriented aesthetic.

TDDW

## Collaboration in IPS

Using COTS tools to  
capture IPS requirements

# About Mike

- ⊕ Ex-UK Army (Aviation)
- ⊕ Second career as a technical author
- ⊕ Moved into technology companies
- ⊕ Ended 'employed' career at Boeing Commercial
- ⊕ Started Tech Data World circa 8 years ago
- ⊕ Support clients worldwide adopt modern specifications
- ⊕ Independent trainer/consultant on S1000D/S2000M
- ⊕ Sit on many working groups – UK industry rep for S1000D & S2000M



# What I am going to talk about



The modern connected platform



The modern technical publication



The problems my customers are having



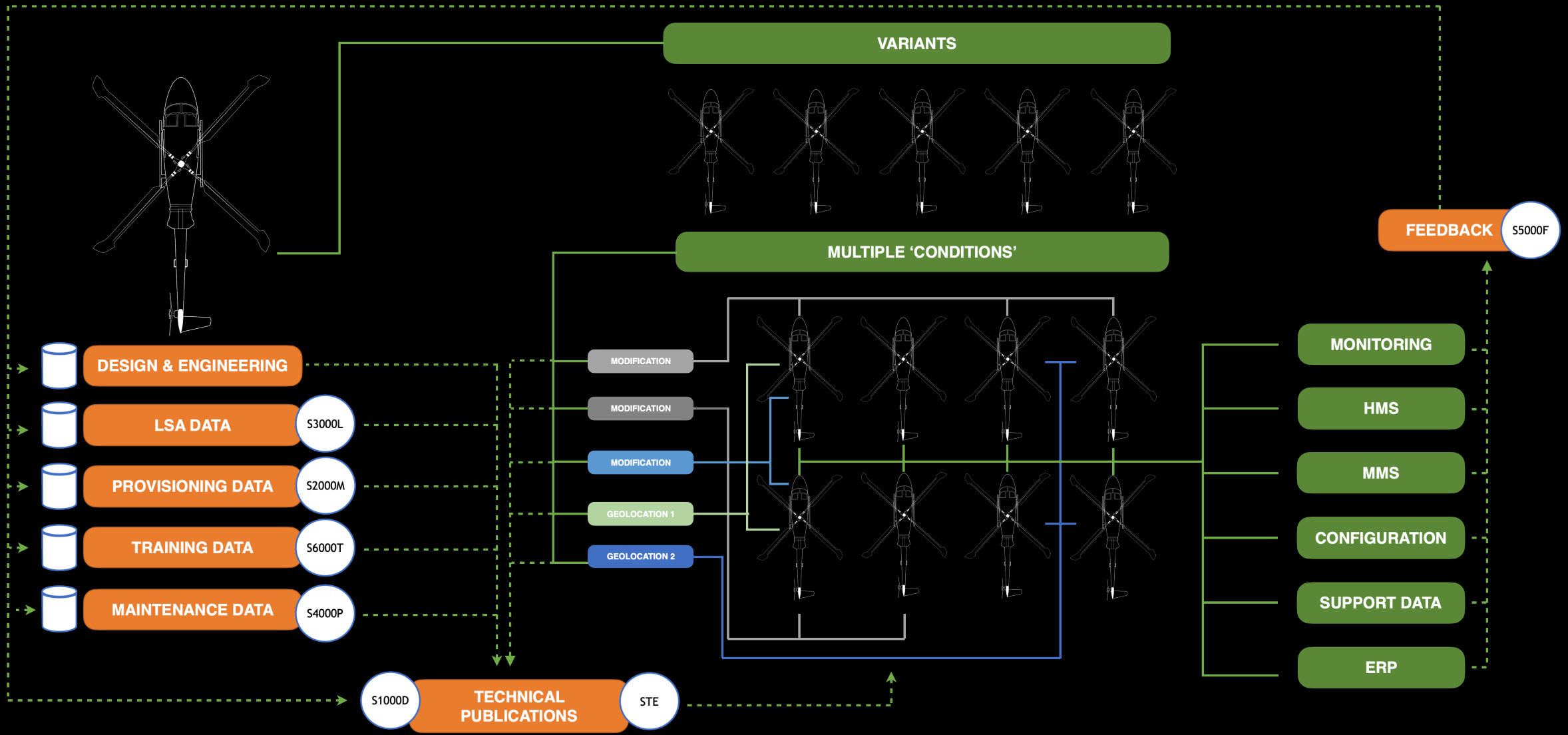
The S-Series of specifications



Collaboration in Integrated Product Support



# The modern connected platform

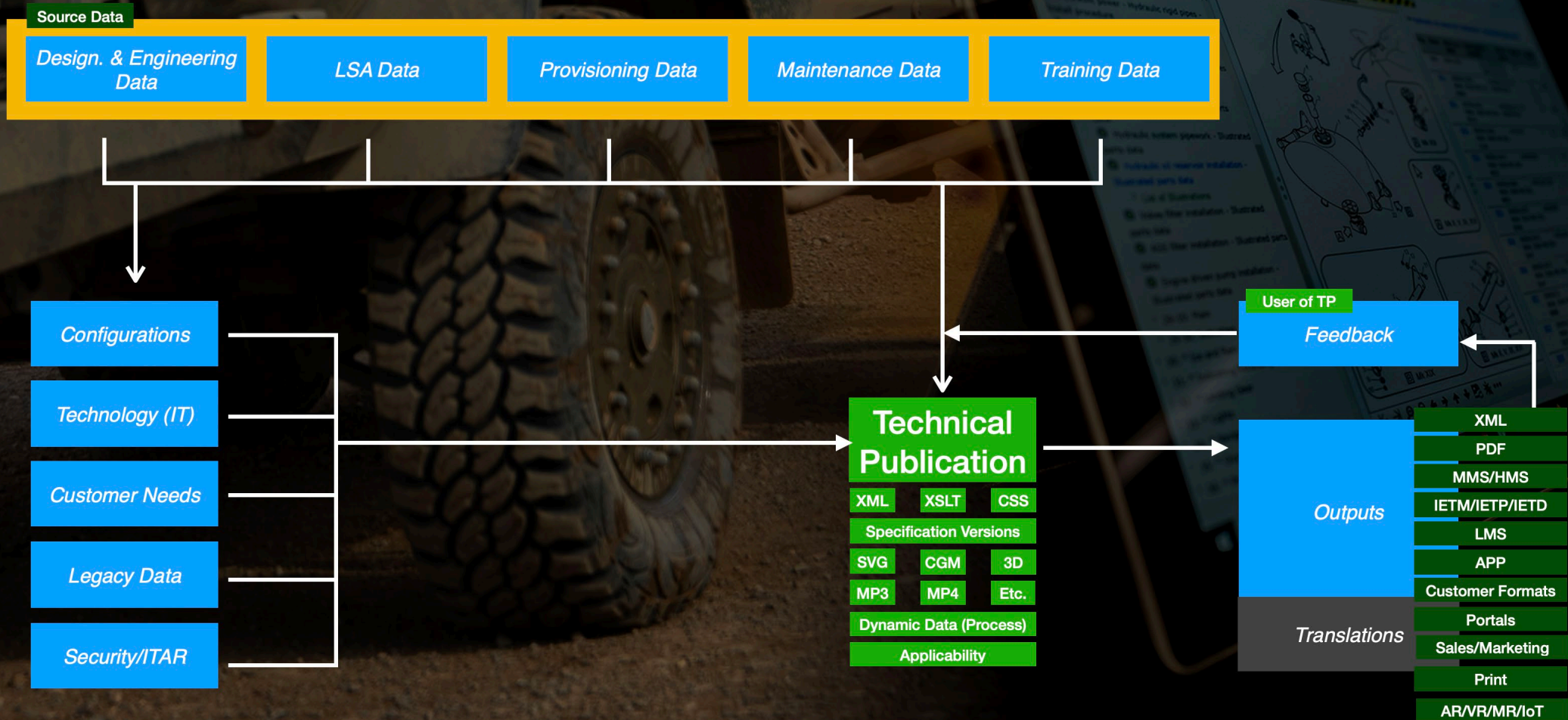


\* example only and not representative of any specific platform









# The Technical Publication

The **modern** technical publication - is **engineered** - not just 'written' (what we talked about yesterday)

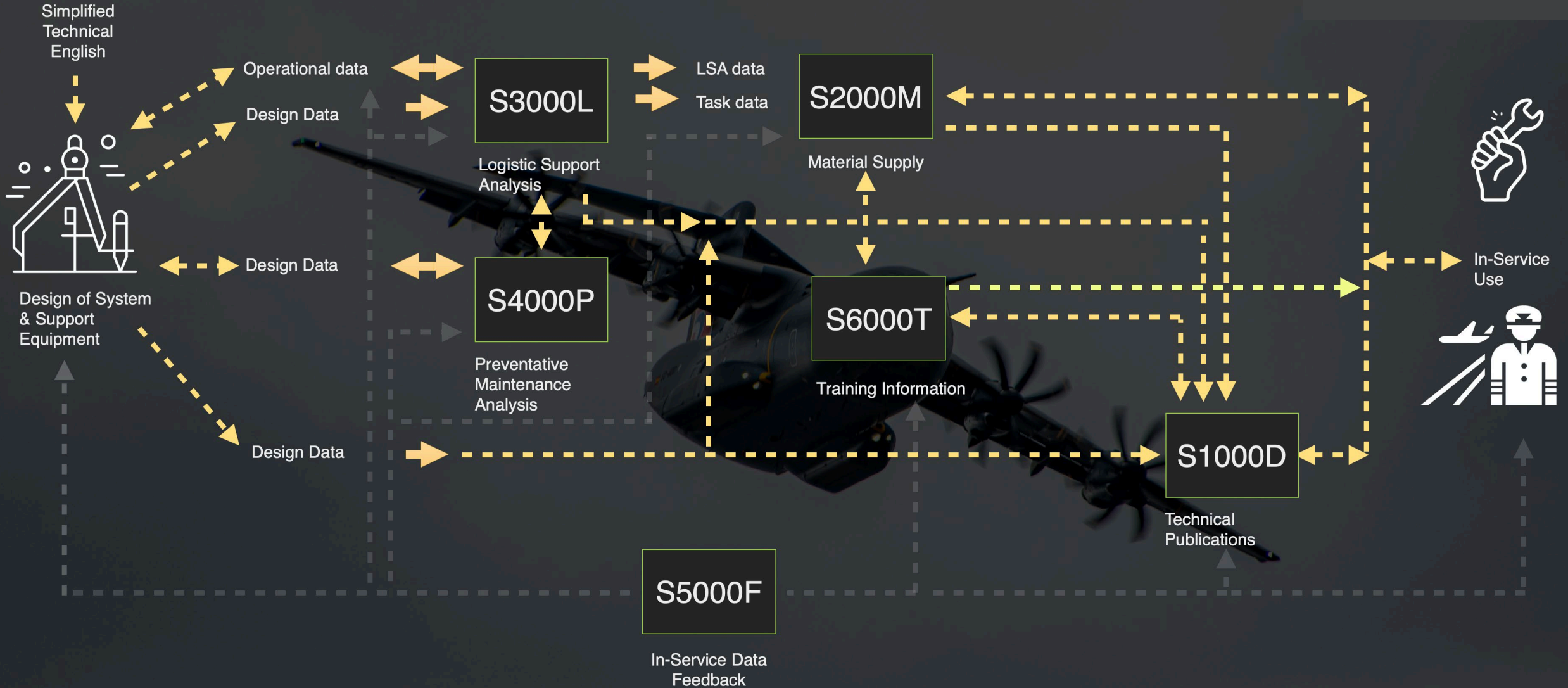


# The problems my customers are having

-  The implementation of the S-Series is complex & increasingly mandated
-  Time to analyse specifications and extract what's important
-  SMEs availability to support Data Domain needs
-  Tools to enable quicker adoption of S-Series
-  Capturing requirements in a easy to understand way
-  Lower the cost of adopting specifications like S1000D

STE

# The S-Series of Specifications



In-Service Use

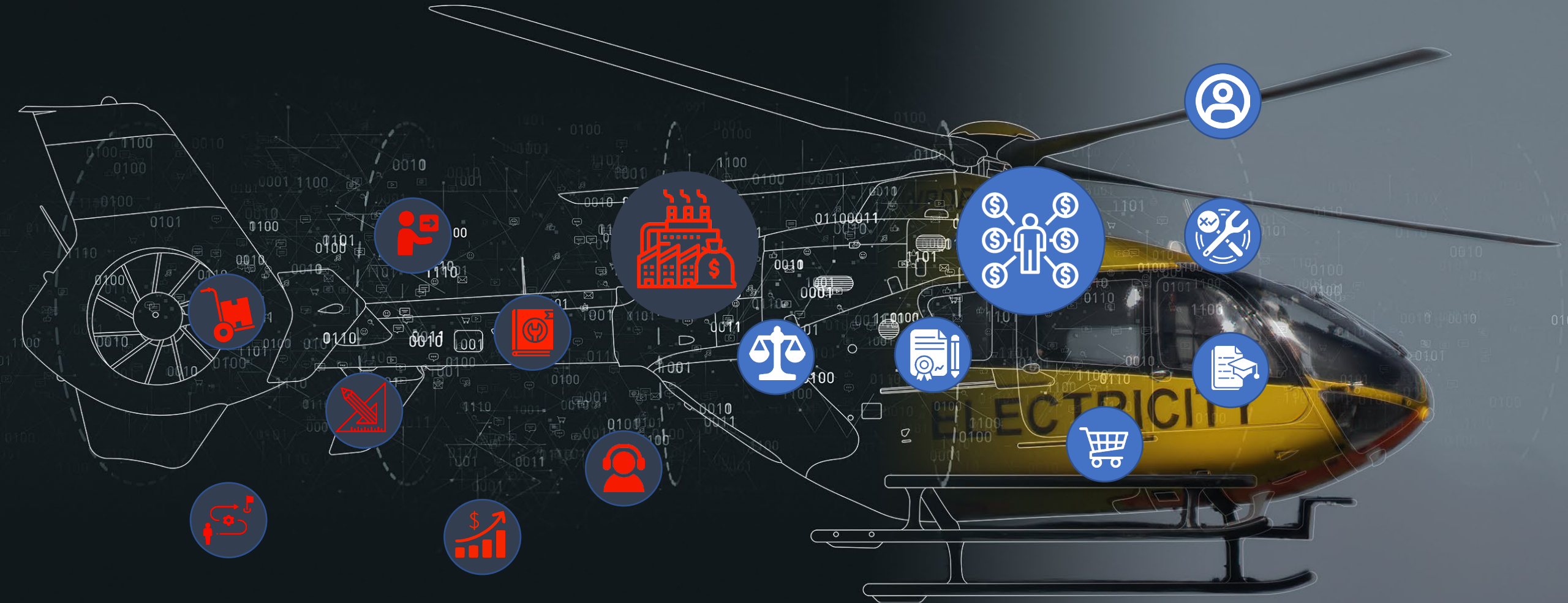


The question I asked myself:

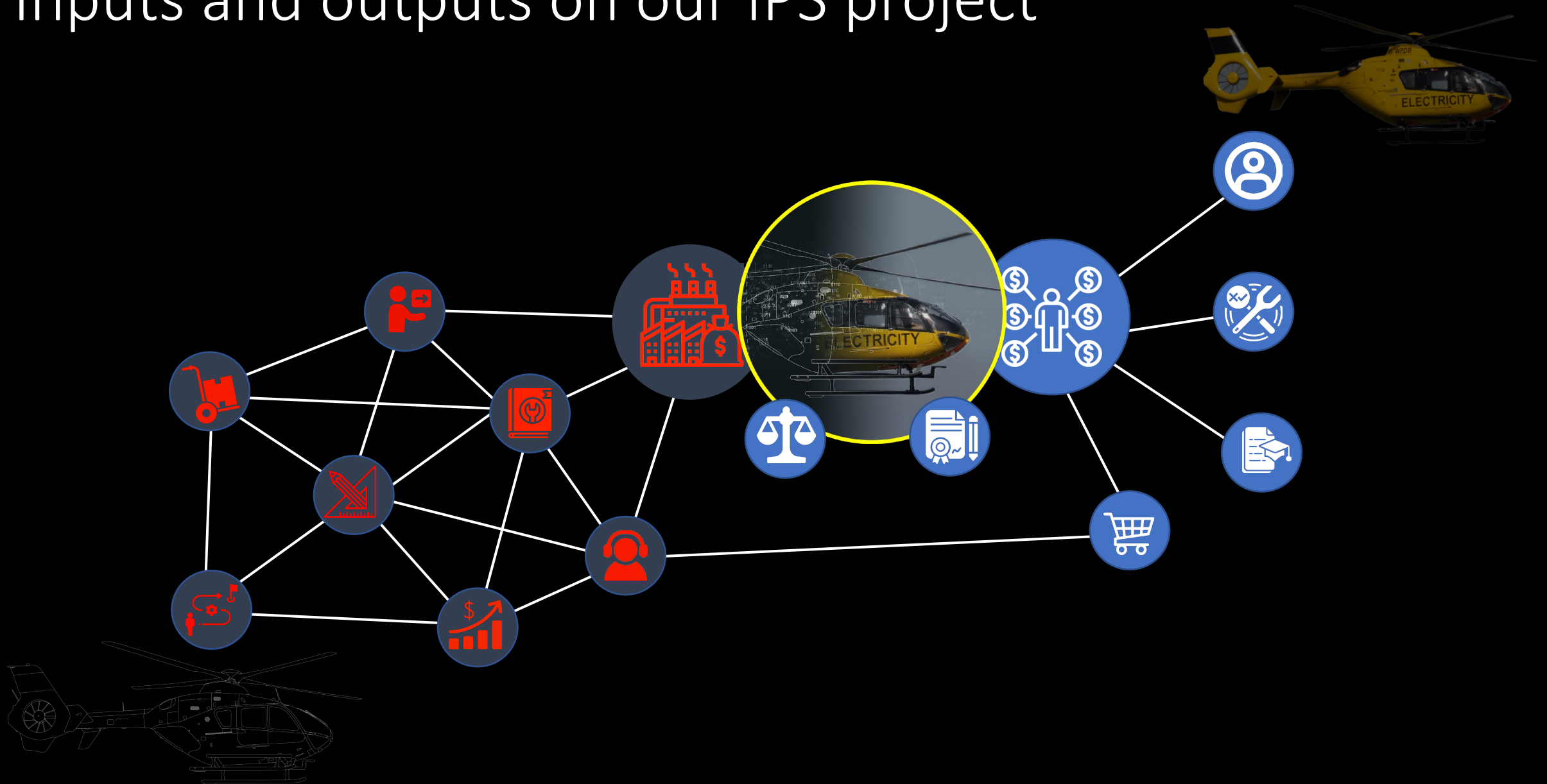
*Can we capture S1000D and S2000M  
requirements in an easy and intuitive  
way with low-cost COTS tools?*



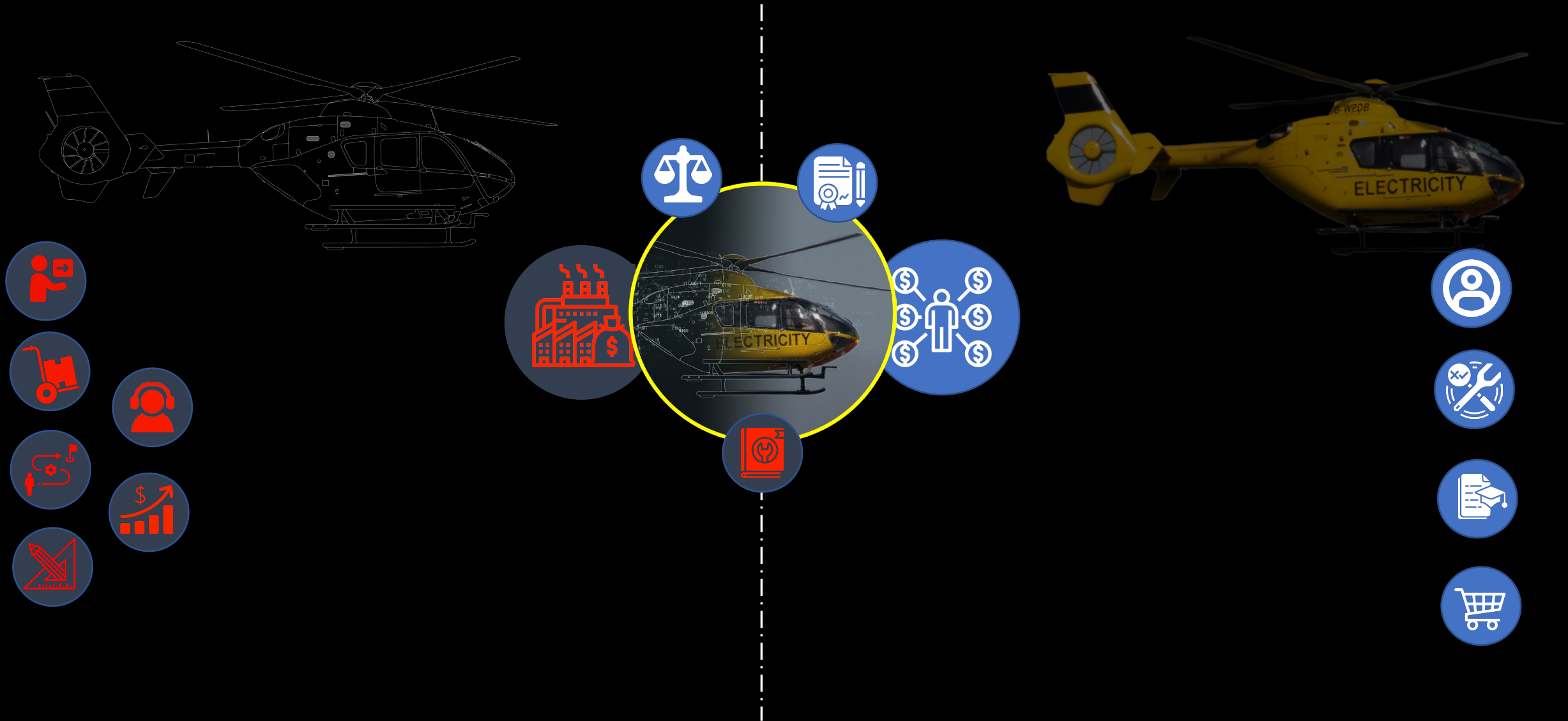
# Inputs and outputs on our IPS project



# Inputs and outputs on our IPS project



# Inputs and outputs to technical publications





# Collaboration in technical publications





# Collaboration in technical publications

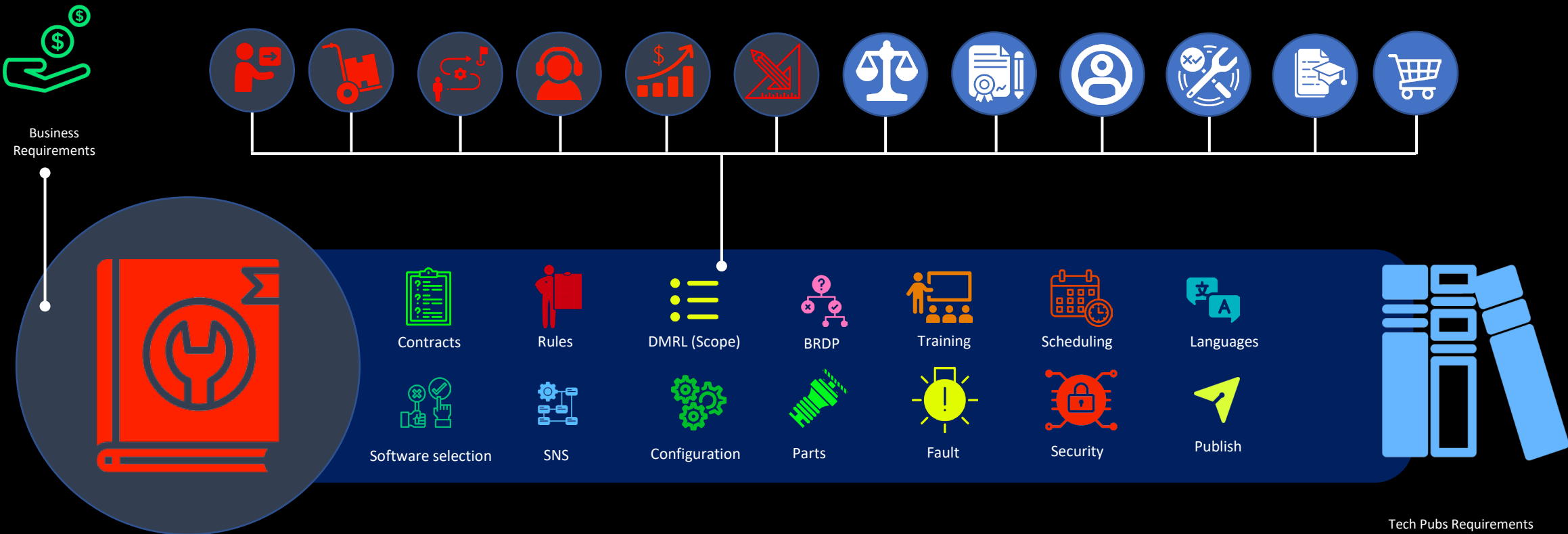


Business  
Requirements



Tech Pubs  
Requirements

# Collaboration in technical publications





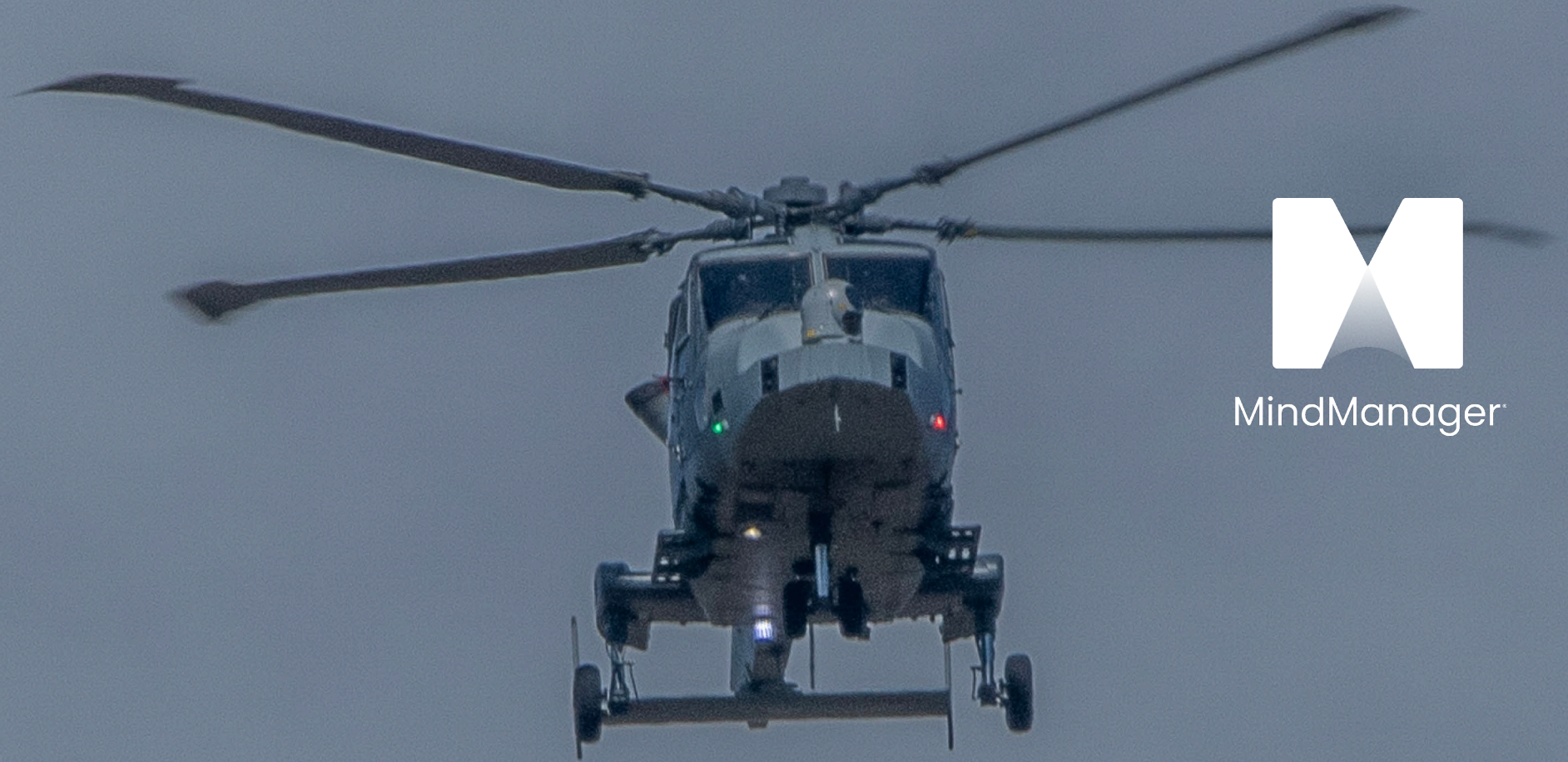
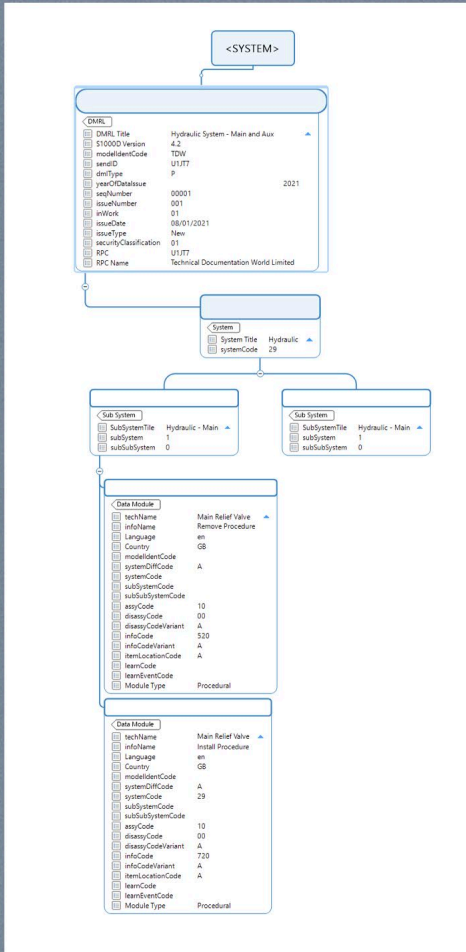
MindManager

*Could we use visualization tools like  
Corel MindManager, create a neutral  
toolkit and simplify the adoption of  
S1000D & S2000M?*



# The IPS Toolkit

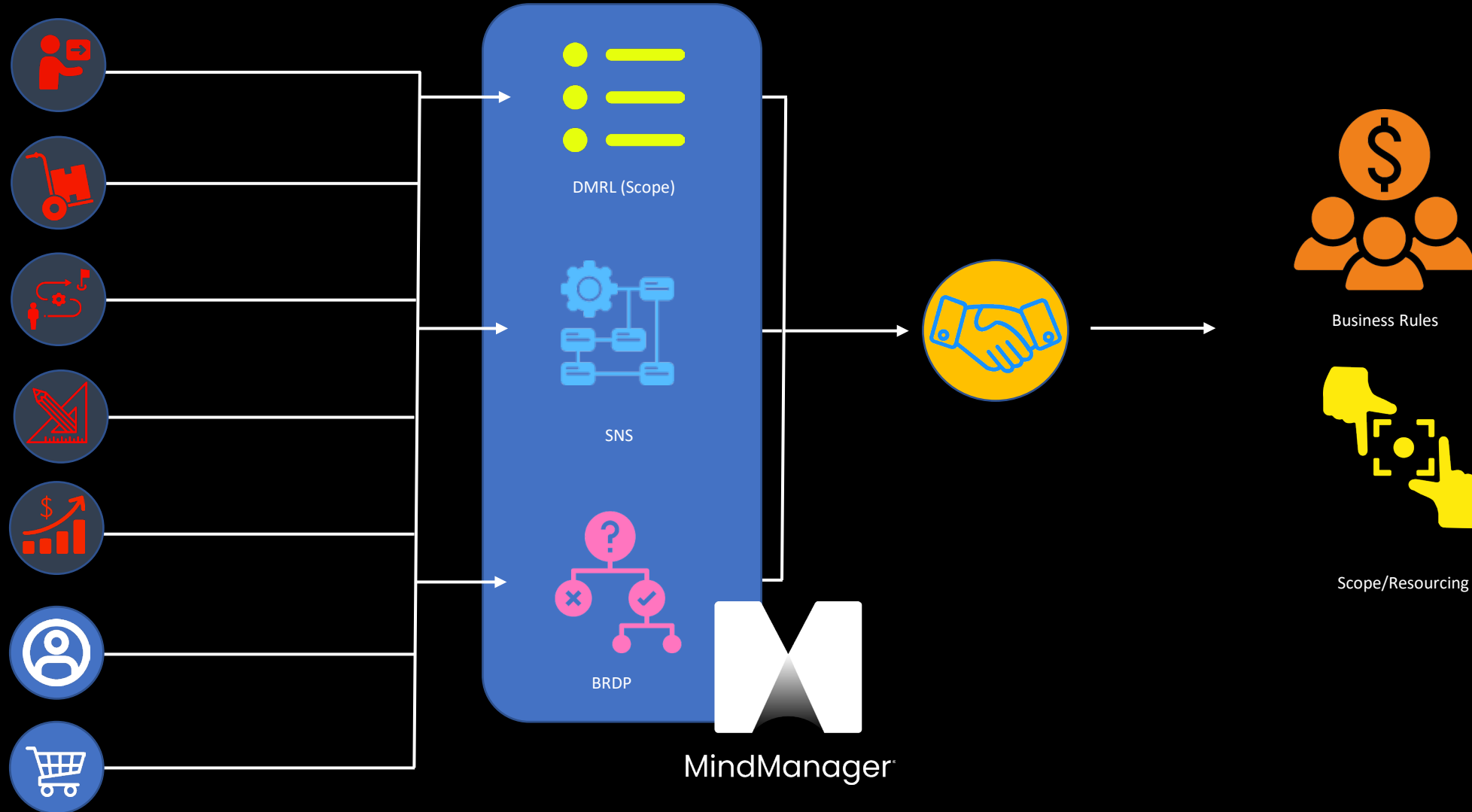
*Visual definition of complex product structures*



MindManager

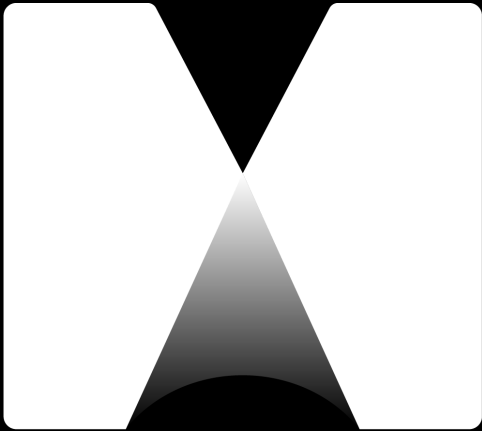
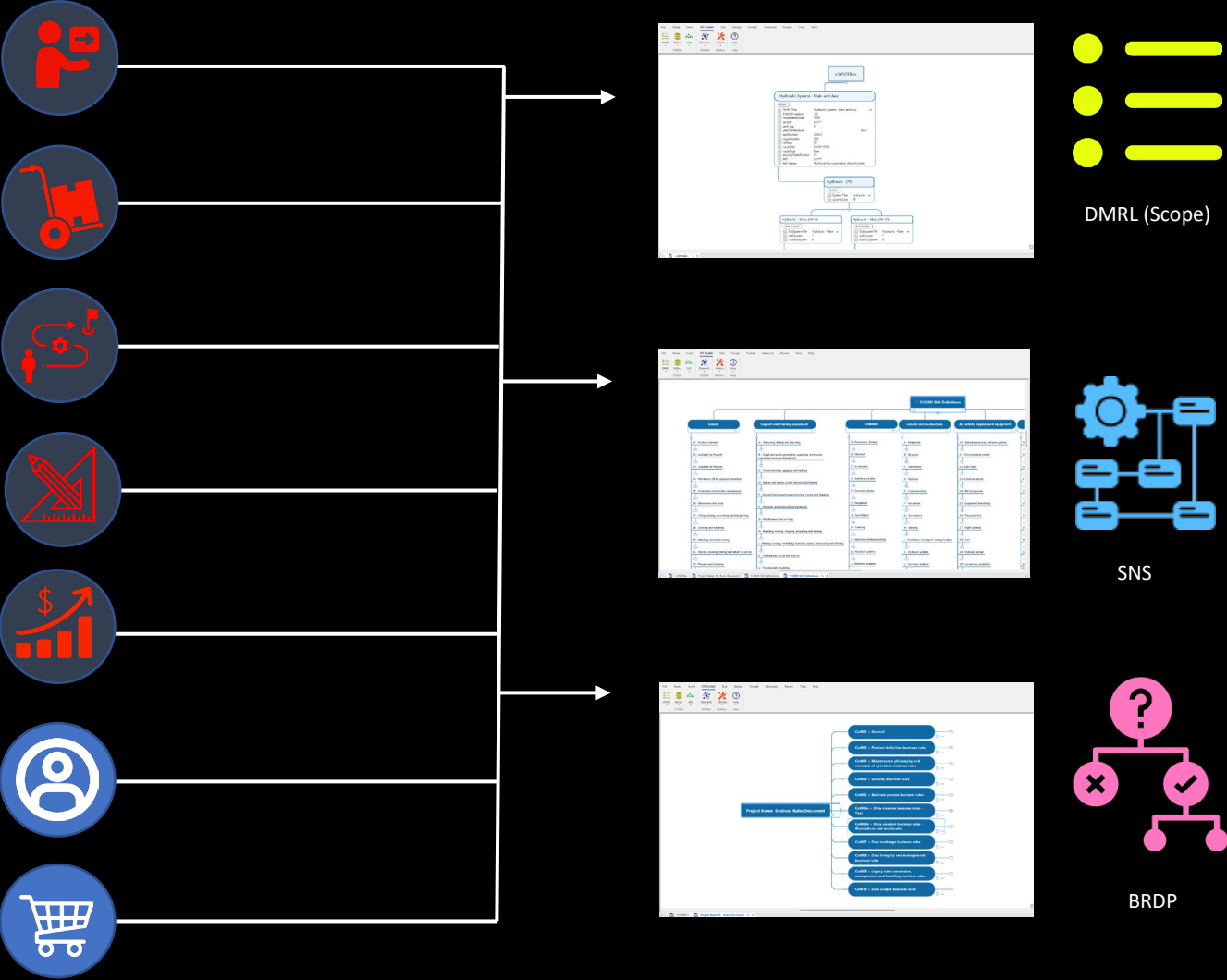


# Example of technical publication collaboration



# Not everyone understands XML/Tech Pubs

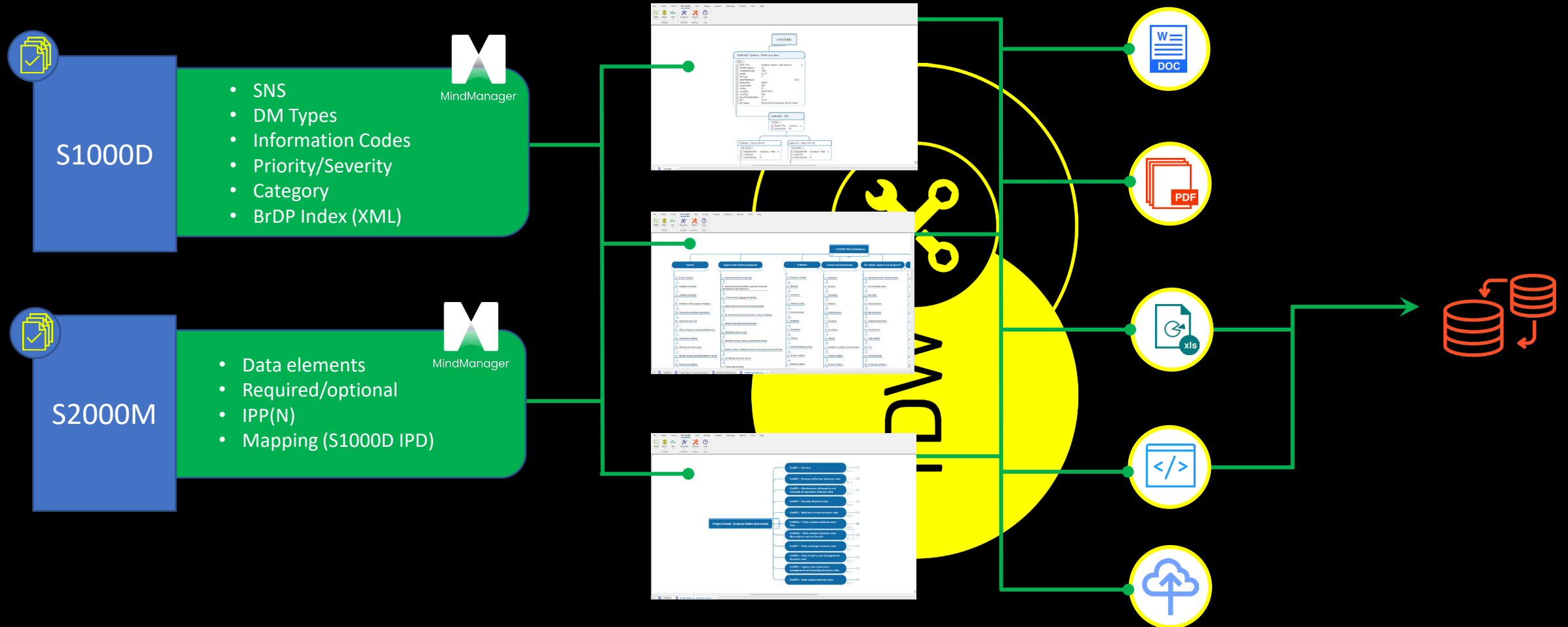
Provide functional tools we can all work with and extract what we need from a common source



MindManager®

# Speed up specification adoption and implementation

Extract logic, definitions and requirements from specifications and build them into common maps



# Case Study 1 – eSNS collaboration



MindManager

72-00 - General  
72-10 - Power  
Conversion/Conditioning

72-20 - Controlling

72-30 - Indicating

72-40 - Primary Power Train

72 - Electric Engine

73 - Engine fuel and control

74 - Ignition

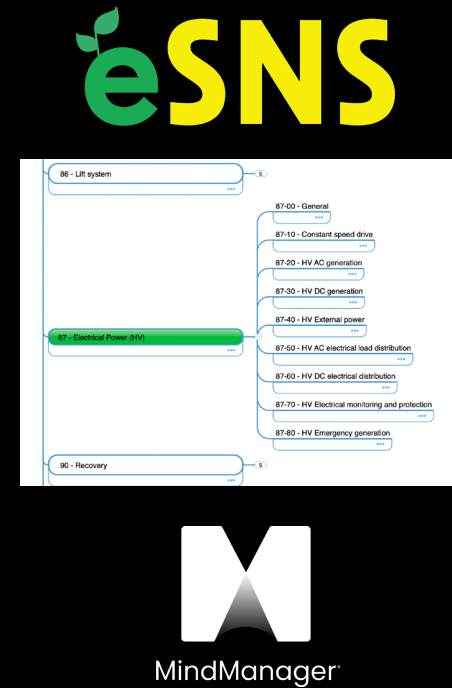
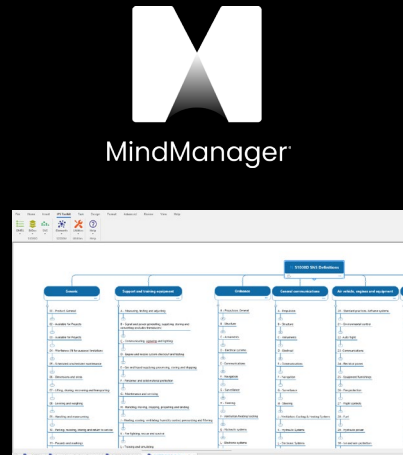
75 - Air

76 - Engine controls

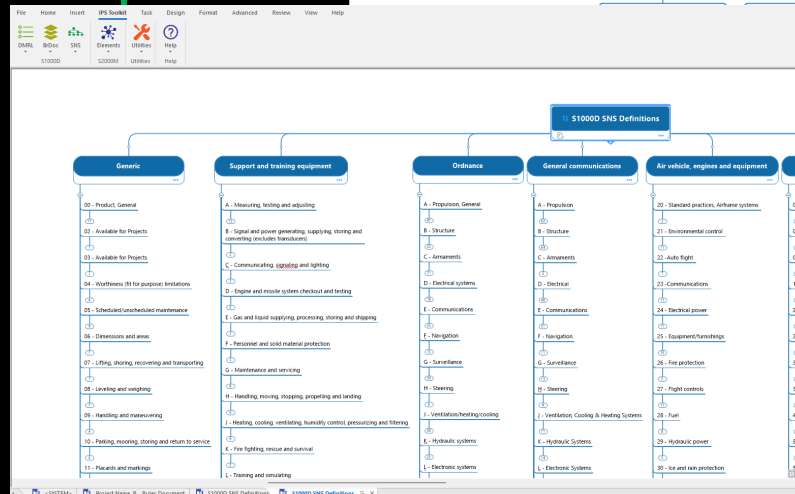
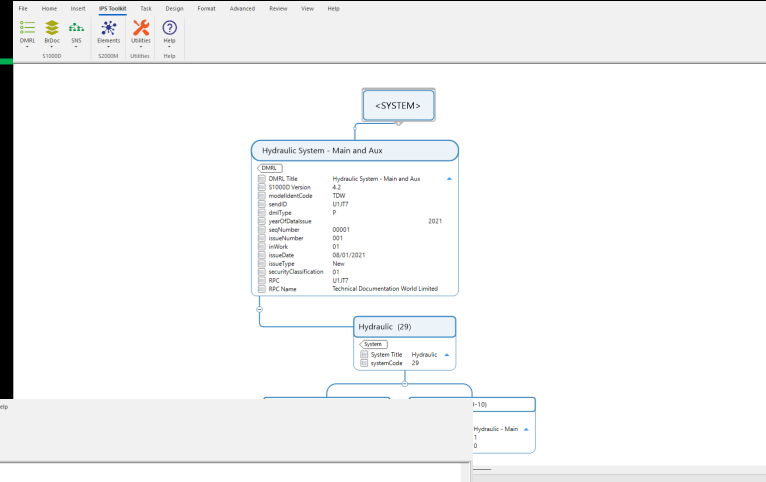


# Developing eSNS structures with industry

S1000D  
AVEE SNS



# Case Study 2 – DMRL/SNS Development



DMRL (Scope)

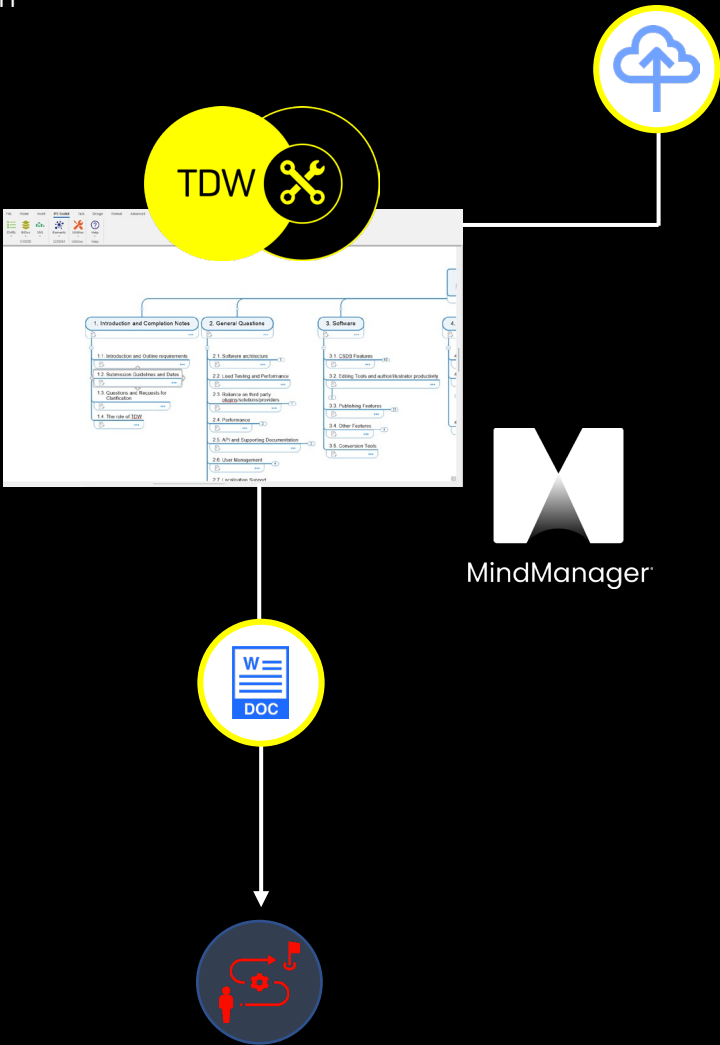
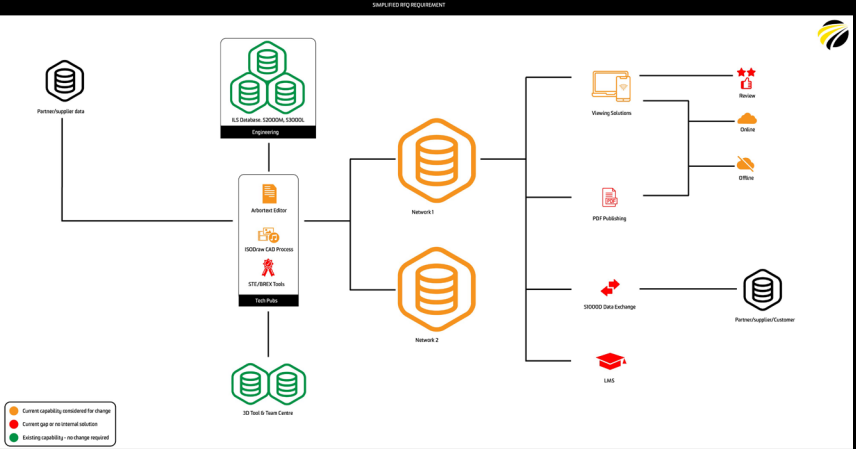
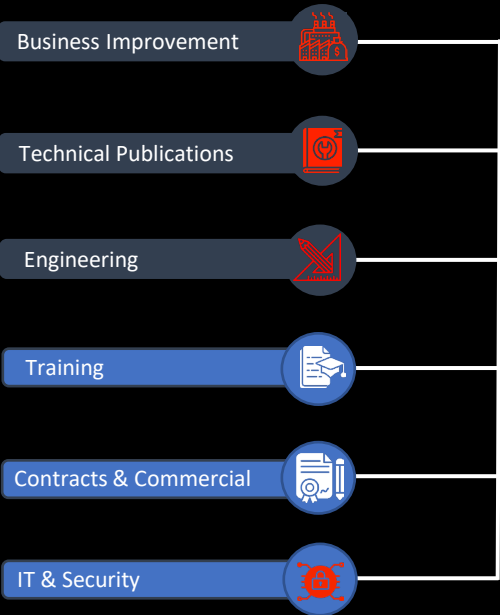


SNS



# Case Study 3 – RFQ Requirements Capture

Major organisation supporting multiple domain platforms requires a robust S1000D/IPS software solution



# What centralised collaboration enables



Faster adoption of complex specifications



Involves SMEs in an environment that makes sense



Centralised S-Series 'maps' enables collaborative working and exports



Standard exports to import into IPS software tools



Neutral exports for wider S1000D/S2000M tools to import



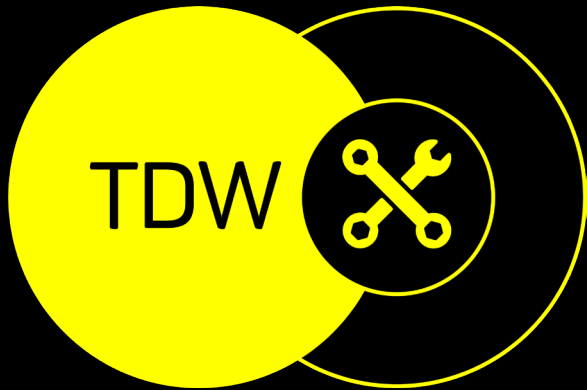
# More information



MindManager®



<https://www.mindmanager.com/tdw>



<https://www.ipstoolkit.co>



Learn more – Search “Tech Data World”



The logo consists of a large yellow circle on the left containing the text 'TDW' in black. To its right is a smaller yellow circle containing a black heart rate line. A yellow curved line connects the bottom of the large circle to the bottom of the smaller circle.

TDW

## Collaboration in IPS

Using COTS tools to  
capture requirements

Michael Ingledew – Technical Data Evangelist and MD Tech Data World

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