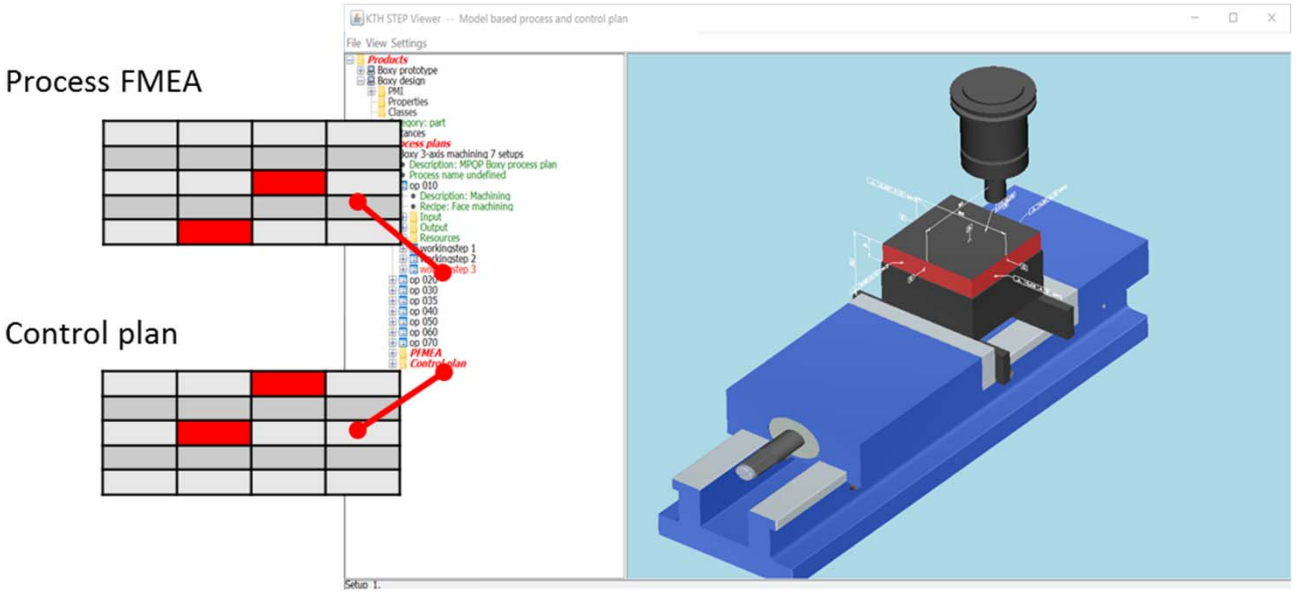
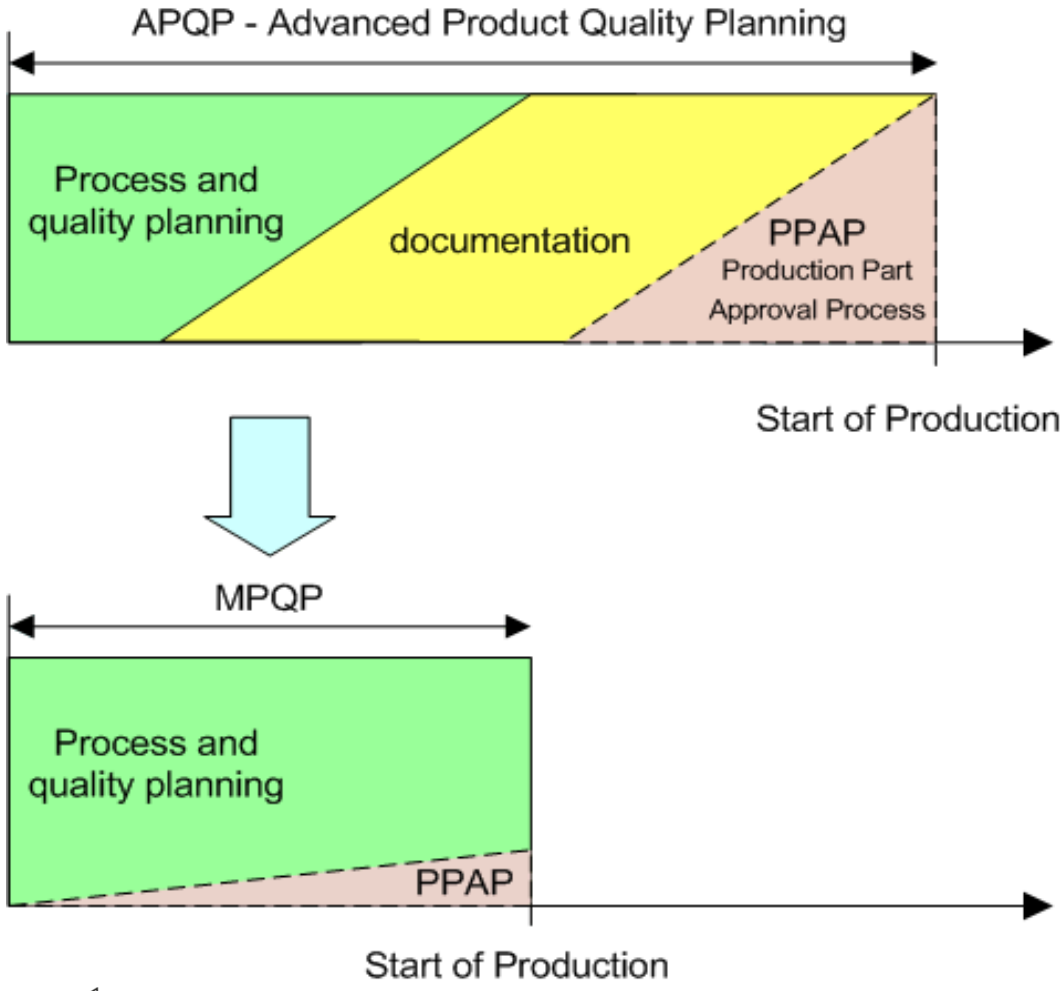
Vinnova FFI HP – MPQP

Model driven Process and Quality Planning



MPQP – Objective



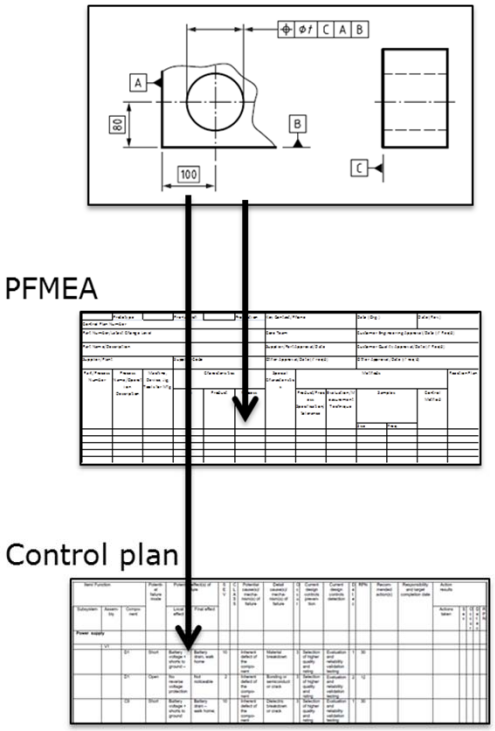
MPQP - **Model driven Process and Quality Planning (2014 – 2017)**

PPAP – Production Part Approval Process

Describe many times

in many ways

in many places…



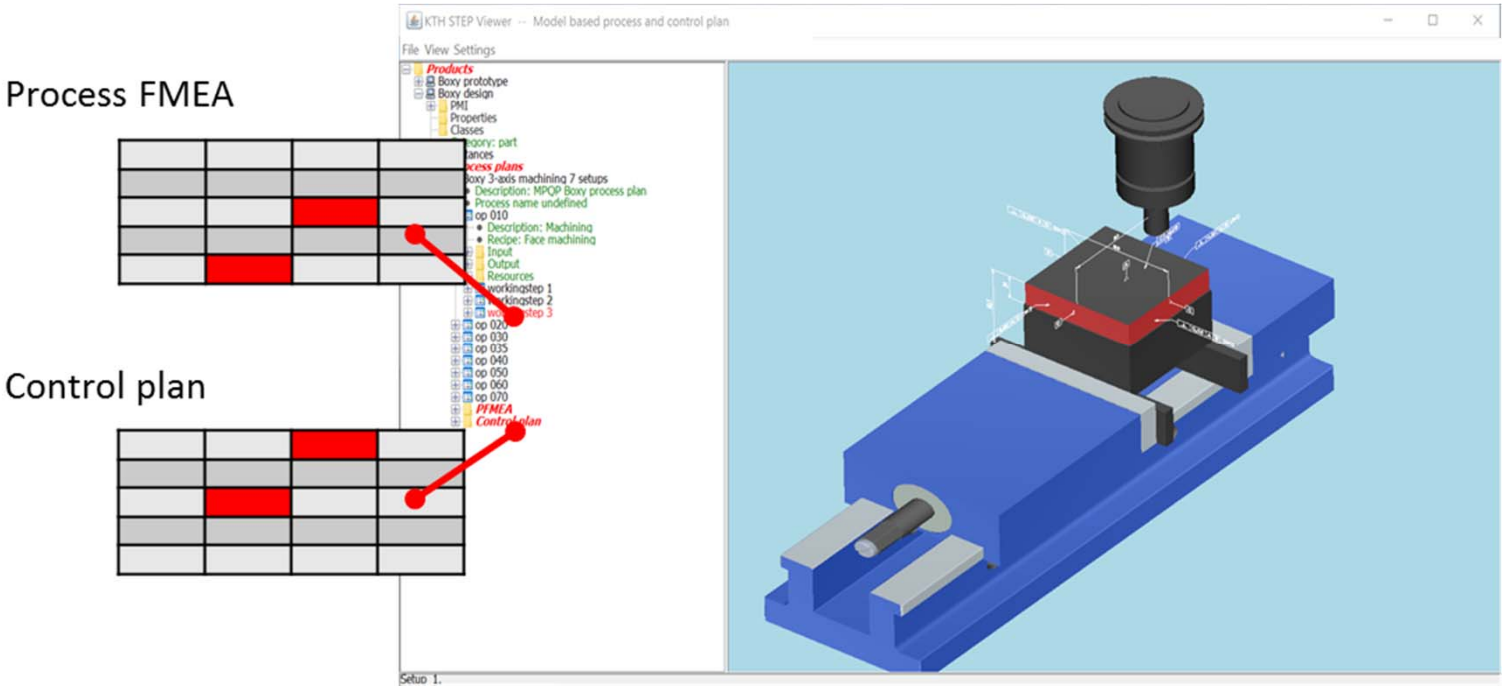
Significant production run
1-8 hour
300 consecutive parts (minimum)
PPAP documents
1. Design Record
2. Engineering Change documents
3. Customer Engineering Approval
4. Design FMEA
5. Process Flow Diagram
6. Process FMEA
7. Control Plan
8. Measurement System Analysis Studies
9. Dimensional Results
10. Material, Performance Test Results
11. Initial Process Studies
12. Qualified Laboratory Documentation
13. Appearance Approval Report
14. Sample Product
15. Master Sample
16. Checking Aids
17. Records of Compliance With Customer-Specific Requirements
18. Part Submission Warrant

Model based PPAP

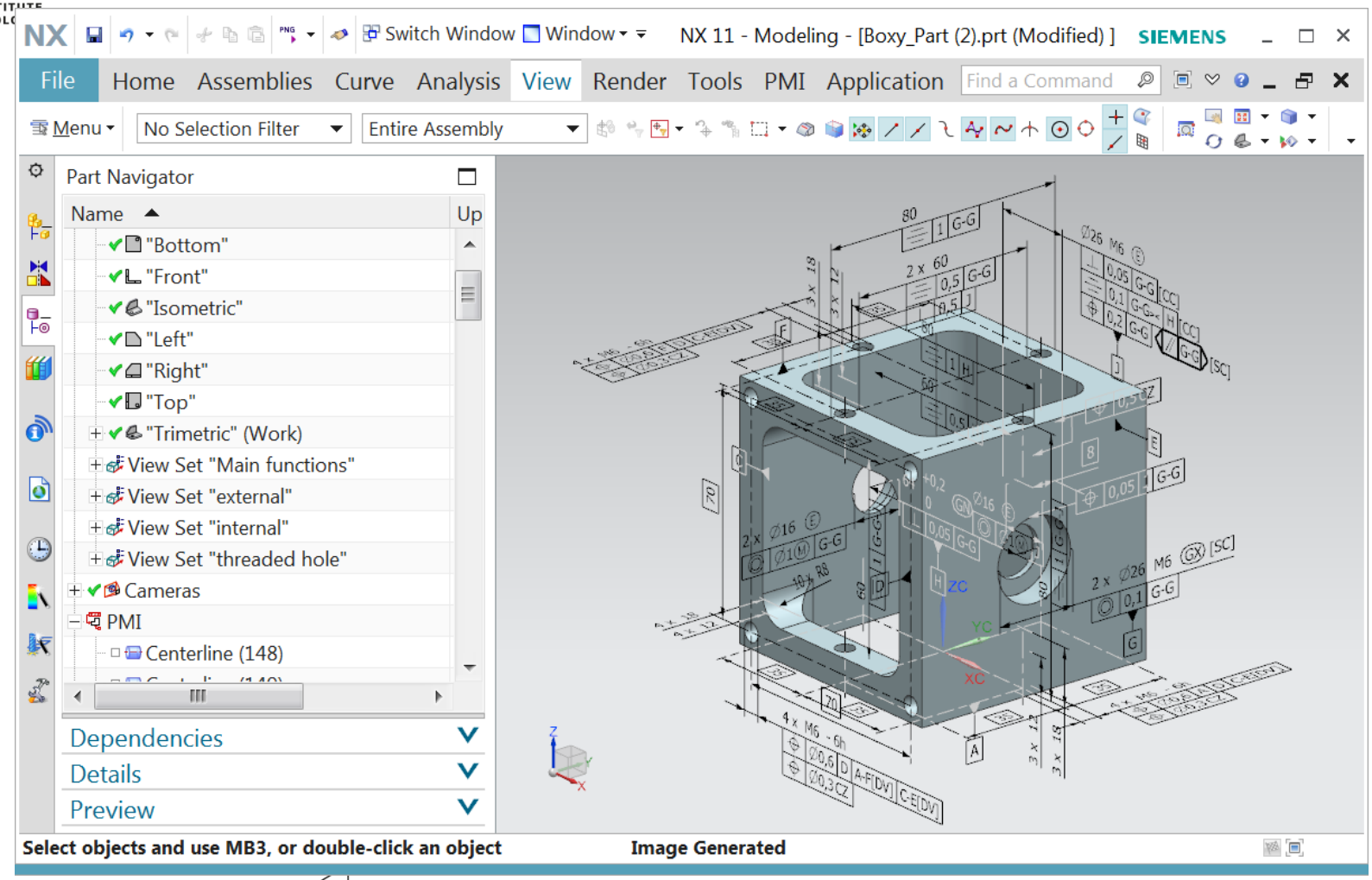
Describe once

in one way

in one place

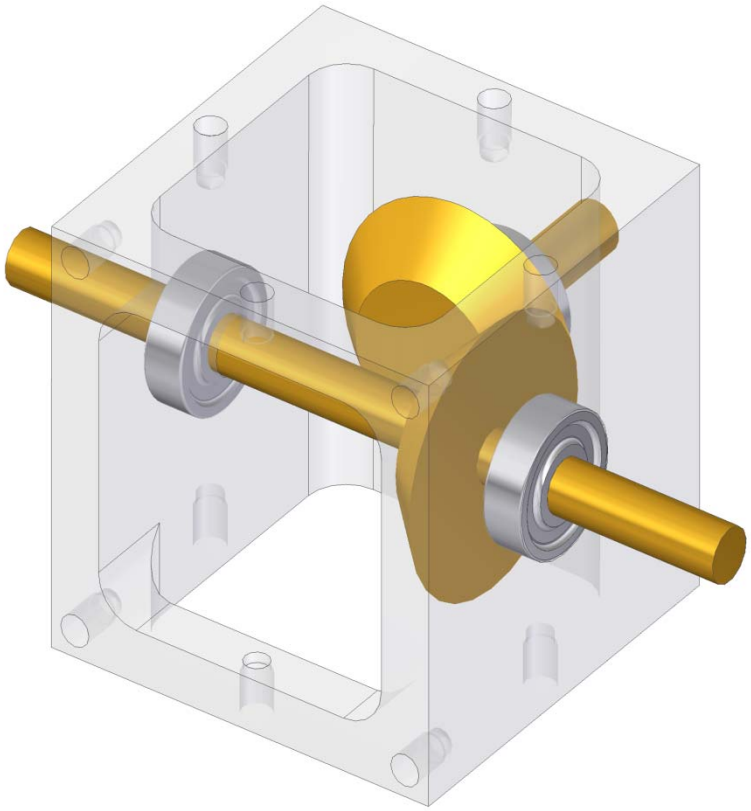


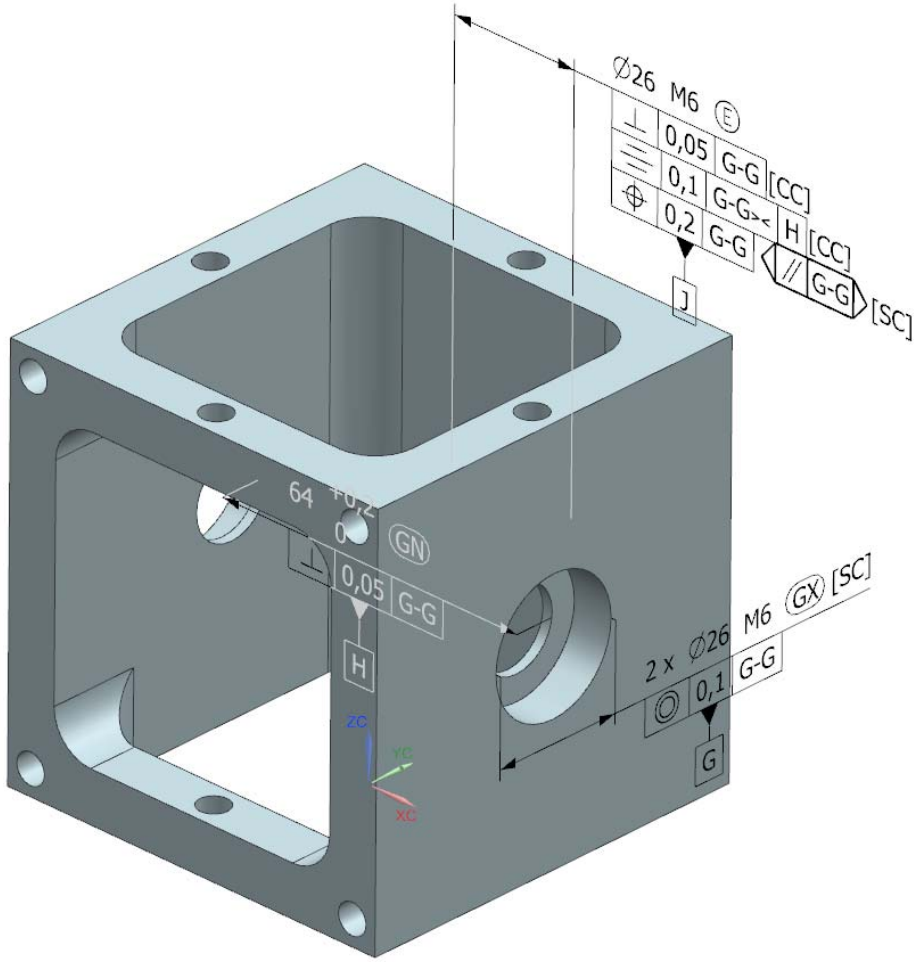
Product in MPQP demonstrator



MPQP - **Model driven Process and Quality Planning (2014 – 2017)**

Product in MPQP demonstrator





MPQP - **Model driven Process and Quality Planning (2014 – 2017)**

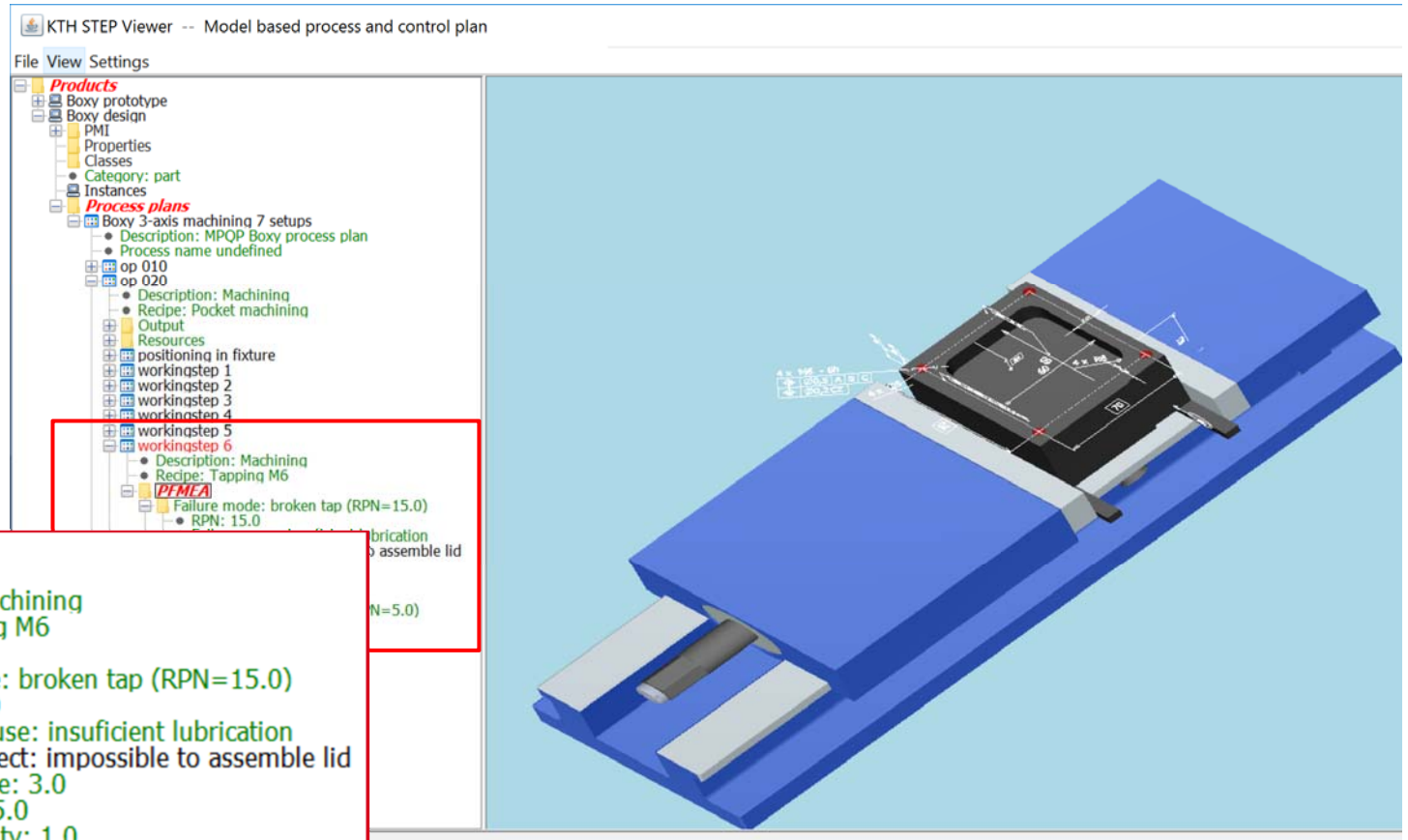
Model driven Process and Quality Planning

Describe once

in one way

in one place

in many views



FFI Strategic Vehicle Research and Innovation

MPQP - **Model driven Process and Quality Planning (2014 – 2017)**

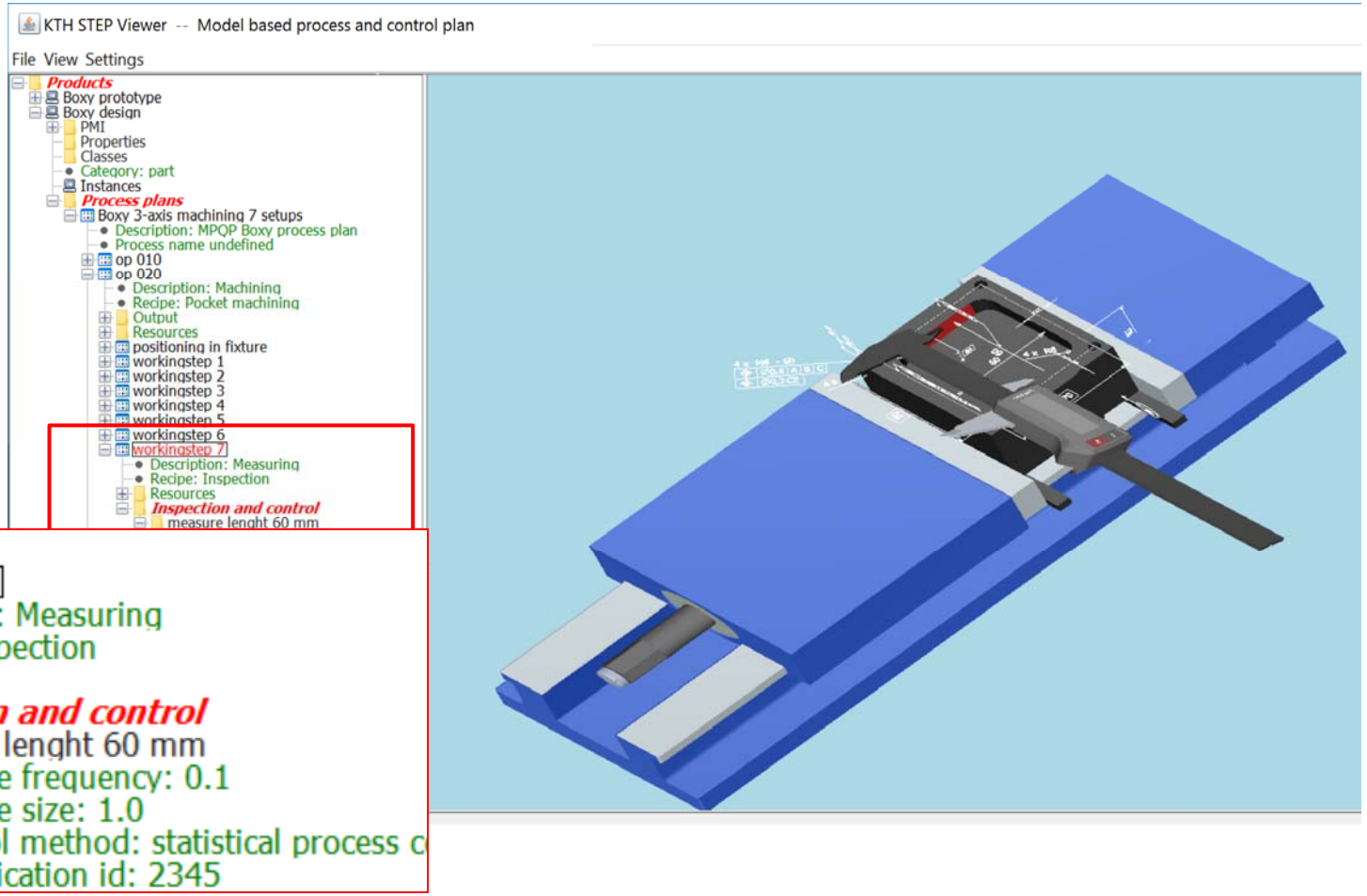
Model driven Process and Quality Planning

Describe once

in one way

in one place

in many views



FFI Strategic Vehicle Research and Innovation

MPQP - **Model driven Process and Quality Planning (2014 – 2017)**

Model driven Process and Quality Planning

Describe once

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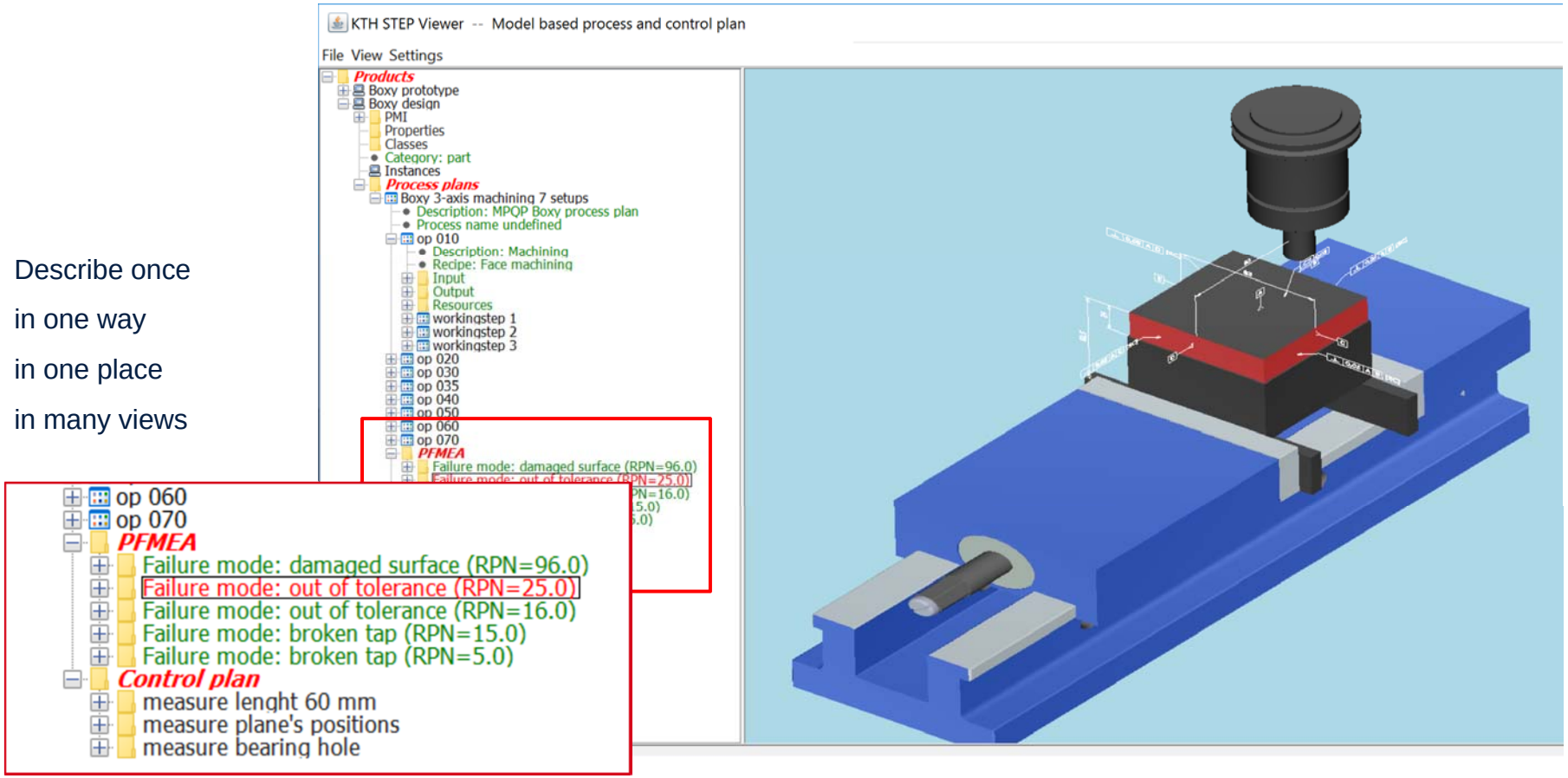
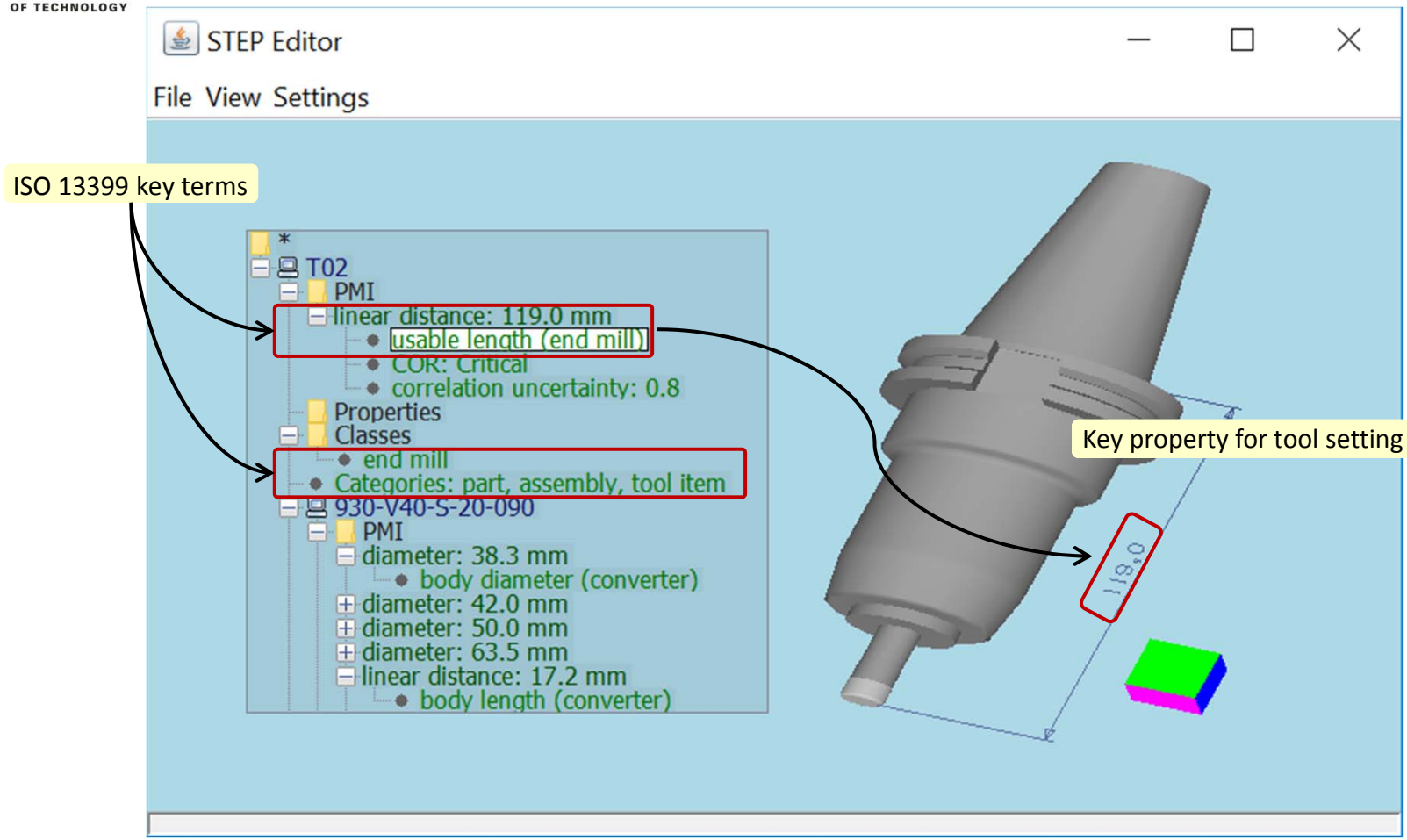
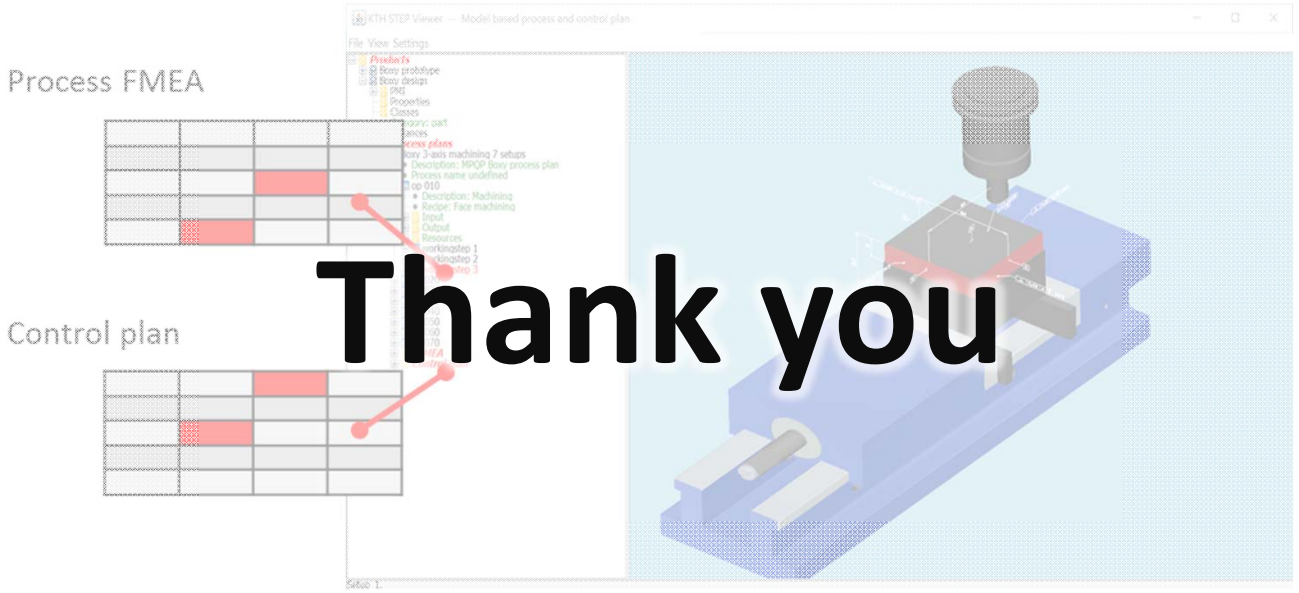


MPQP – Cutting tool information



Vinnova FFI HP – MPQP

Model driven Process and Quality Planning



Thank you