Step 1: Bring the cursor here and keeping "UseCases" press ENTER.

UseCase Selection	Production System	Customer Orders	Production Planning

Folder name: UseCases

Use Cases: ⌄

Read

Case Info:

Step 2: Click the READ button for TBRM_Test instance.

UseCase Selection	Production System	Customer Orders	Production Planning

Folder name:	UseCases	Use Cases:	TBRM_Test ⌄	Read

Case Info:
```
->/content/ProductionPlanning/UseCases
>>> file.CustomerOrders.csv
Customer Orders created: 116
>>> file.Resources.csv
Resources created: 49
>>> file.Operations.csv
Operations created: 816
>>> file.Precedences.csv
>>> file.ProductsOperations.csv
>>> file.Products.csv
Products created: 517
>>> file.ResourcesOperations.csv
ResourcesOperations: 816
```

Step 3: In "Production System" tab, the instance elements (resources, products, operations) can be seen.

UseCase Selection	Production System	Customer Orders	Production Planning

Resource List

```
ZGN_02
FR3_01
BKW_01
VERP_P
Chromising
```

Product List

```
bracket_[BD50-5075-011-E]
ALU 7075 T79511 hoekprofiel 20x16x1.2_[5601-
bracket_[BD50-5075-013F]
bracket_[BD50-5075-015F]
```

Operation List

```
Material prep _ bracket_[BD50-5075-011-E]
Milling _ bracket_[BD50-5075-011-E]
BW - Benchwork _ bracket_[BD50-5075-011-E]
Packaging _ bracket_[BD50-5075-011-E]
```

Step 4: In "Customer Orders" tab, the list of customer orders can be seen.

UseCase Selection	Production System	Customer Orders	Production Planning

Resource List

ZGN_02
FR3_01
BKW_01
VERP_P
Chromising

Product List

bracket_[BD50-5075-011-E]
ALU 7075 T79511 hoekprofiel 20x16x1.2_[5601-
bracket_[BD50-5075-013F]
bracket_[BD50-5075-015F]

Operation List

Material prep _ bracket_[BD50-5075-011-E]
Milling _ bracket_[BD50-5075-011-E]
BW - Benchwork _ bracket_[BD50-5075-011-E]
Packaging _ bracket_[BD50-5075-011-E]

Step 5: Click "Make Plan" button to find a planning result for the customer orders.

UseCase Selection	Production System	Customer Orders	**Production Planning**	

Make Plan

Summary
```
>Planning Horizon: 2025-03-15 <--> 2025-07-18 00:00:00
>> Deliveries
  ->S02548(M.P04743): deadline 2025-02-04 00:00:00, planned delivery: 2025-03-17 00:00:00
  ->S02461(4022.683.44771): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-16 00:00:00
  ->S02461(4022.622.61941): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-18 00:00:00
  ->S02461(4022.684.31741): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-15 00:00:00
  ->S02461(4022.684.31572): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-16 00:00:00
  ->S02461(4022.622.61761): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-18 00:00:00
  ->S02715(7302598): deadline 2025-03-07 00:00:00, planned delivery: 2025-03-16 00:00:00
  ->S02713(7289337): deadline 2025-03-10 00:00:00, planned delivery: 2025-03-16 00:00:00
```

☑ Raw Material   ☐ Resource Capacity

Raw Materi...
```
STAAL S235JRC+C blank plat 3(
Customer supplied material - [M.I
ALU 7075 T79511 hoekprofiel 20
STAAL S235JRC+C blank plat 4(
STAAL S355J2C+C ngl plat 50x2
Ensat-SBS zelfsn.draadbus M6x
ALU 6082 T6 vk 70_[5601-0000-
STAAL S235JRC+C blank plat 2(
Tensioner Plate cutout_[5990-00(
ALU 6082 T6 vk 30_[5601-0000-
S235JRC+C blank plat 40x10 (ca
```

Step 6: Click a raw material in the list to see the target levels within planning horizon.

UseCase Selection	Production System	Customer Orders	Production Planning

Make Plan

Summary

>Planning Horizon: 2025-03-15 <--> 2025-07-18 00:00:00
>> Deliveries
    ->S02548(M.P04743): deadline 2025-02-04 00:00:00, planned delivery: 2025-03-17 00:00:00
    ->S02461(4022.683.44771): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-16 00:00:00
    ->S02461(4022.622.61941): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-18 00:00:00
    ->S02461(4022.684.31741): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-15 00:00:00
    ->S02461(4022.684.31572): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-16 00:00:00
    ->S02461(4022.622.61761): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-18 00:00:00
    ->S02715(7302598): deadline 2025-03-07 00:00:00, planned delivery: 2025-03-16 00:00:00
    ->S02713(7289337): deadline 2025-03-10 00:00:00, planned delivery: 2025-03-16 00:00:00

☑ Raw Material   ☐ Resource Capacity

Raw Materi..

STAAL S235JRC+C blank plat 3(
Customer supplied material - [M.
ALU 7075 T79511 hoekprofiel 20
STAAL S235JRC+C blank plat 4(
STAAL S355J2C+C ngl plat 50x2
Ensat-SBS zelfsn.draadbus M6x
ALU 6082 T6 vk 70_[5601-0000-
STAAL S235JRC+C blank plat 2(
Tensioner Plate cutout_[5990-00(
ALU 6082 T6 vk 30_[5601-0000-
S235JRC+C blank plat 40x10 (ca

Target Stock Levels ALU 7075 T79511 hoekprofiel 20x16x1.2_[5601-0000-0021]

Step 7: Check Resource Capacity to see the list of resources and their capacity use plan.

UseCase Selection	Production System	Customer Orders	Production Planning

Make Plan

Summary
```
>Planning Horizon: 2025-03-15 <--> 2025-07-18 00:00:00
>> Deliveries
  ->S02548(M:P04743): deadline 2025-02-04 00:00:00, planned delivery: 2025-03-17 00:00:00
  ->S02461(4022.683.44771): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-16 00:00:00
  ->S02461(4022.622.61941): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-18 00:00:00
  ->S02461(4022.684.31741): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-15 00:00:00
  ->S02461(4022.684.31572): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-16 00:00:00
  ->S02461(4022.622.61761): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-18 00:00:00
  ->S02715(7302598): deadline 2025-03-07 00:00:00, planned delivery: 2025-03-16 00:00:00
  ->S02713(7289337): deadline 2025-03-10 00:00:00, planned delivery: 2025-03-16 00:00:00
```
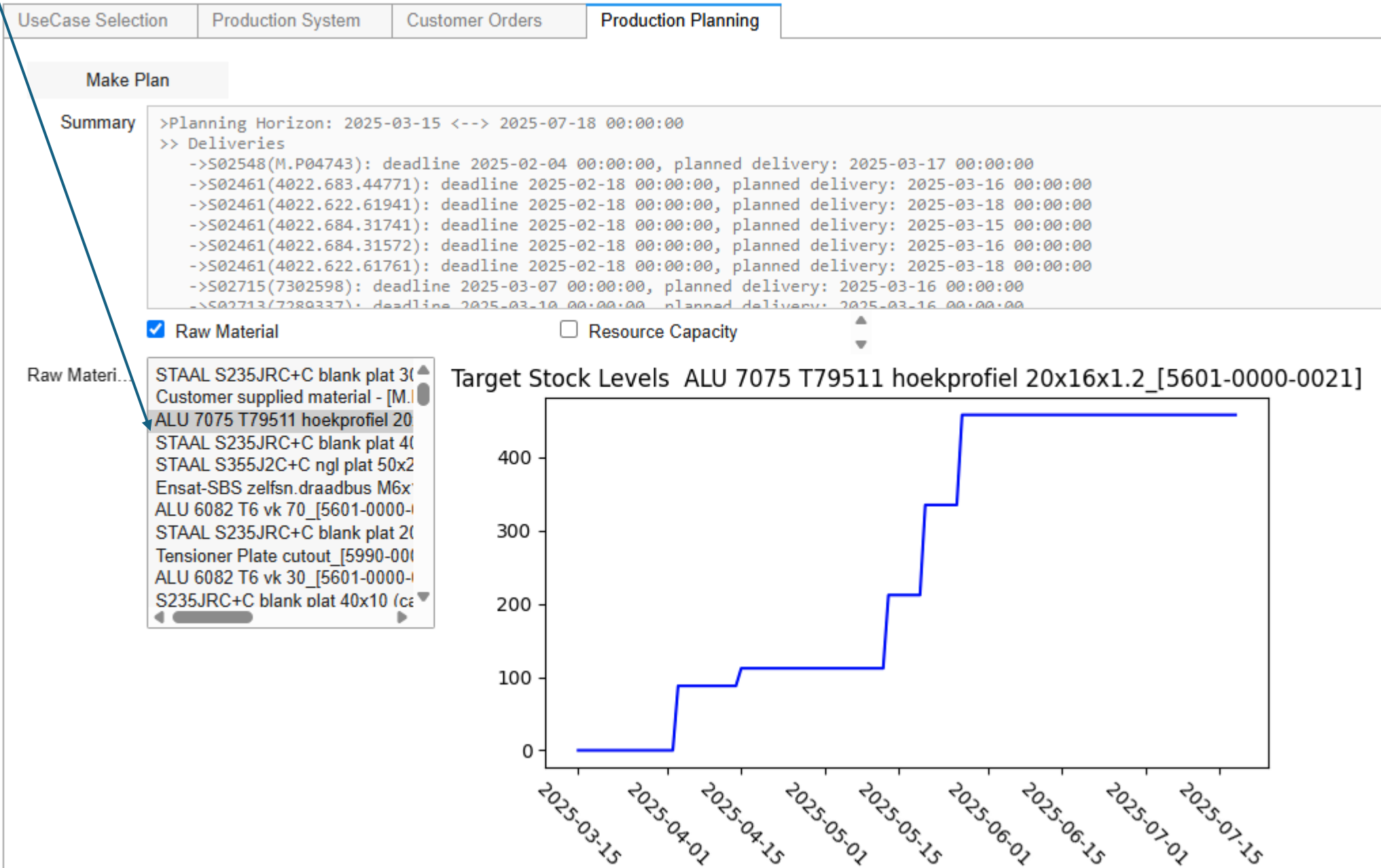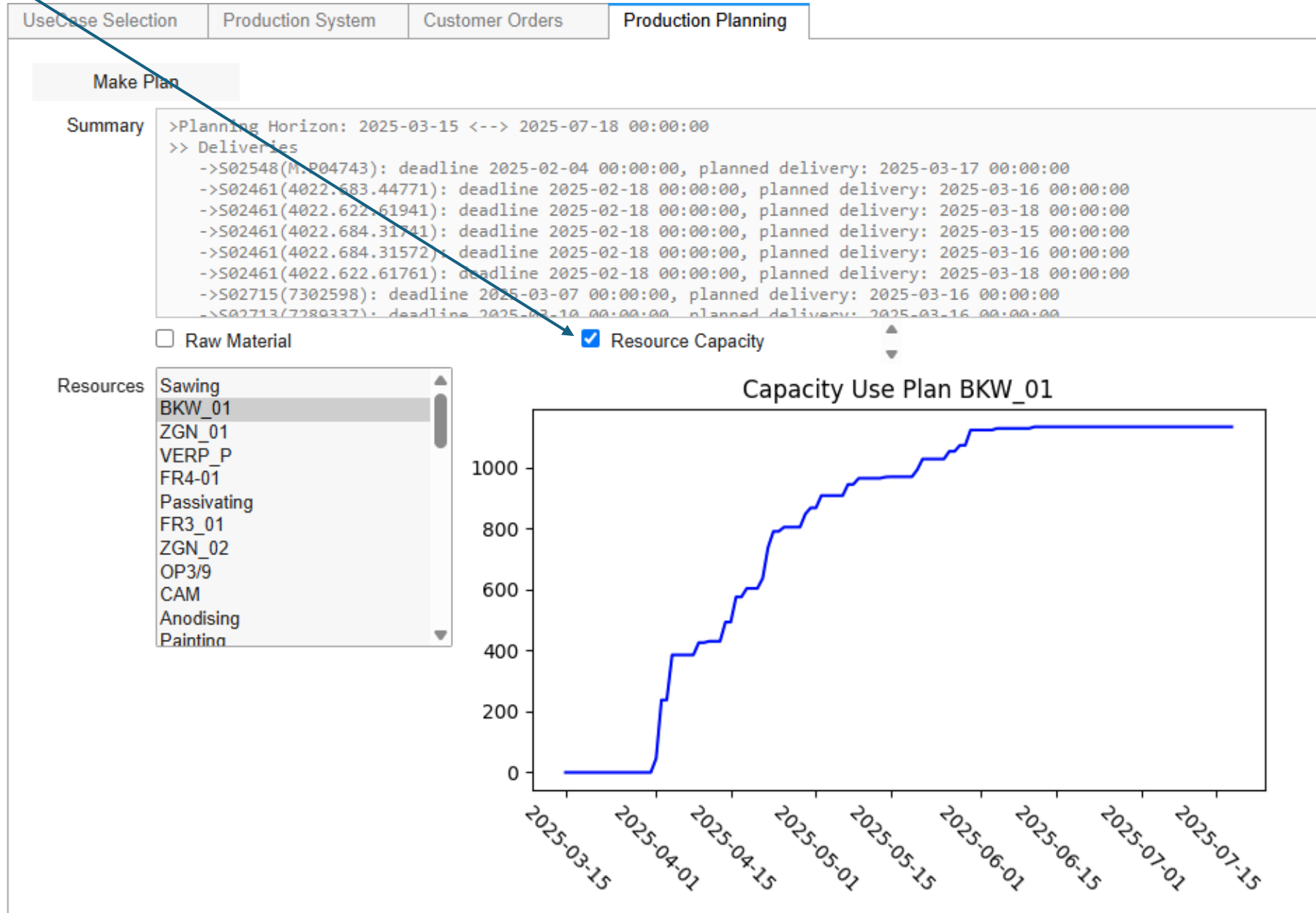
☐ Raw Material   ☑ Resource Capacity

Resources

Sawing
BKW_01
ZGN_01
VERP_P
FR4-01
Passivating
FR3_01
ZGN_02
OP3/9
CAM
Anodising
Painting

Capacity Use Plan BKW_01

Step 8: Click the resource in the list to see Capacity Use Plan within the Planning horizon.

UseCase Selection	Production System	Customer Orders	Production Planning

Make Plan

Summary

```
>Planning Horizon: 2025-03-15 <--> 2025-07-18 00:00:00
>> Deliveries
  ->S02548(M.P04743): deadline 2025-02-04 00:00:00, planned delivery: 2025-03-17 00:00:00
  ->S02461(4022.683.44771): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-16 00:00:00
  ->S02461(4022.622.61941): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-18 00:00:00
  ->S02461(4022.684.31741): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-15 00:00:00
  ->S02461(4022.684.31572): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-16 00:00:00
  ->S02461(4022.622.61761): deadline 2025-02-18 00:00:00, planned delivery: 2025-03-18 00:00:00
  ->S02715(7302598): deadline 2025-03-07 00:00:00, planned delivery: 2025-03-16 00:00:00
  ->S02713(7289337): deadline 2025-03-10 00:00:00, planned delivery: 2025-03-16 00:00:00
```

☐ Raw Material   ☑ Resource Capacity

Resources

Sawing
BKW_01
ZGN_01
VERP_P
FR4-01
Passivating
FR3_01
ZGN_02
OP3/9
CAM
Anodising
Painting

Capacity Use Plan BKW_01