Production Planning and Control (PP)



Created by



LEVEL

Bachelor

Master

Beginners

DURATION

approx. 165 minutes

LAST CHANGE

May 2023

VERSION

Otto Bikes v1.1

Focus

After you only display data such as BOMs and routings in the production planning exercise, this case study deals with processing an integrated process from production planning through execution to settlement.

APPLICATION AND MOTIVATION

You will adjust existing material master records and create the necessary consumption values for a finished product to plan and execute a production run.

PREREQUISITES

To execute this PP case study successfully, it is not necessary to have processed the PP exercises. However, it is recommended.



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TABLE OF CONTENTS

Process Information	3
Step 1 : Change Product Master Data	4
Step 2 : Change Routing	9
Step 3 : Display Product Group	14
Step 4 : Create Sales and Operations Plan	16
Step 5 : Transfer Planning Data to Demand Management	
Step 6 : Display Demand Management	25
Step 7 : Execute Material Requirements Planning	27
Step 8 : Display Stock/Requirements List	
Step 9 : Planned Order in Production Order	34
Step 10 : Display Production Order	37
Step 11 : Confirm Partial Production Completion	42
Step 12 : Check Production Order	44
Step 13 : Confirm Complete Production Completion	47
Step 14 : Check Production Order	49
Step 15 : Goods Receipt for Production Order	52
Step 16 : Analyze Production Costs	55
Step 17 : Settle Production Order	57
PP Challenge	61

PROCESS INFORMATION

Learning Objective

Understand and execute an integrated production process.

Scenario

To process a complete production process, you will assume various roles within Otto Bikes, e.g. Production Foreman and Plant Manager. You will work primarily in the Materials Management (MM) and Production Planning (PP) departments.

Employees Involved:

- Manufacturing Manager
- Plant Manager
- Production Worker 2
- Receiving Clerk
- otto Bikes Mood Gmbh otto Service Gmbh in AMD

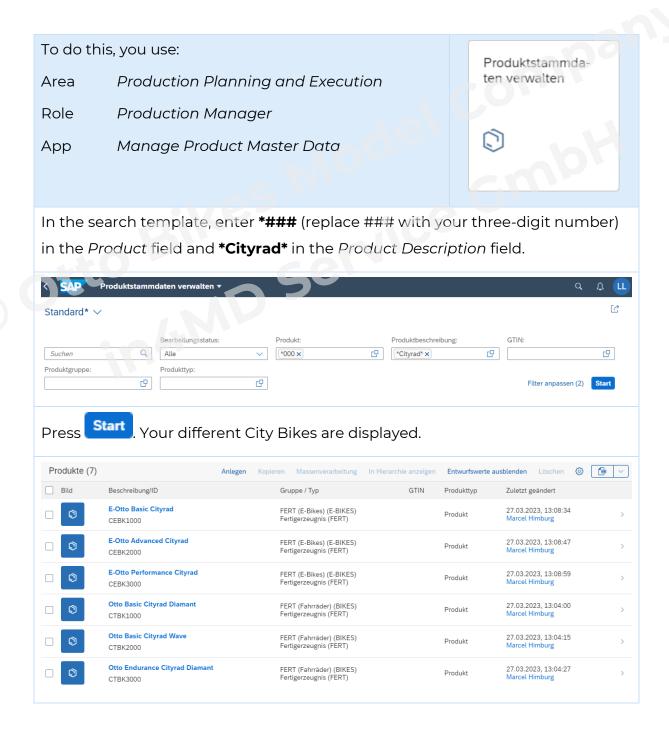
Step 1: Change Product Master Data

Task

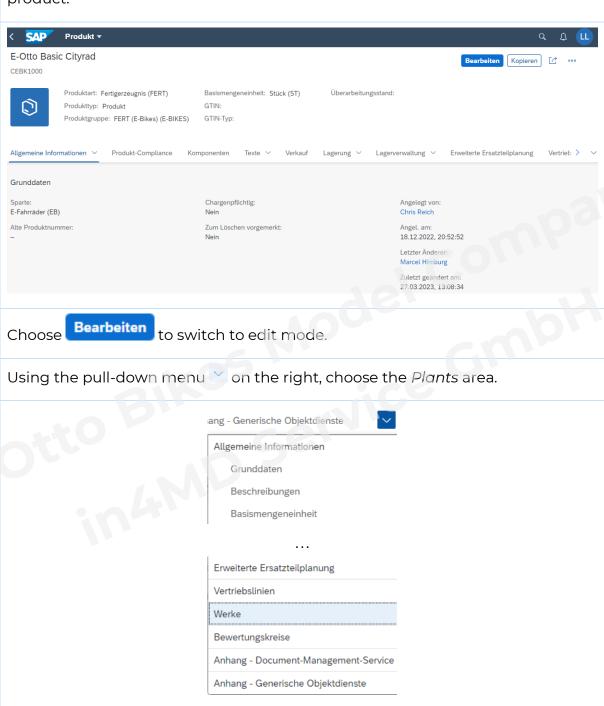
Prepare the product master data for demand planning by adding planningrelevant data to diamond city wheel records.

Name (Job)

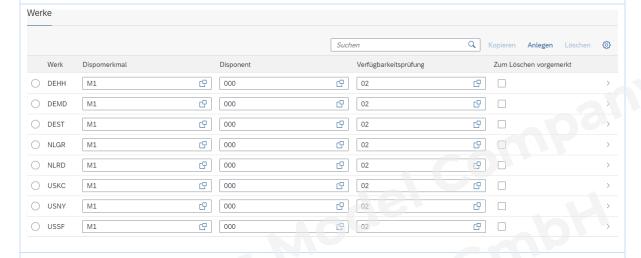
Manufacturing Manager



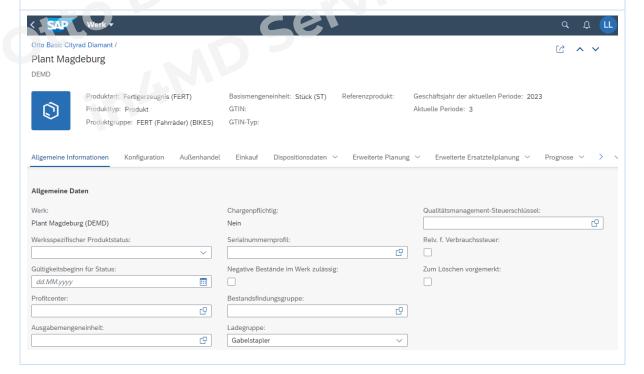
Select the row of the *E-Otto Basic Cityrad* (CEBK1###) to open the details of the product.



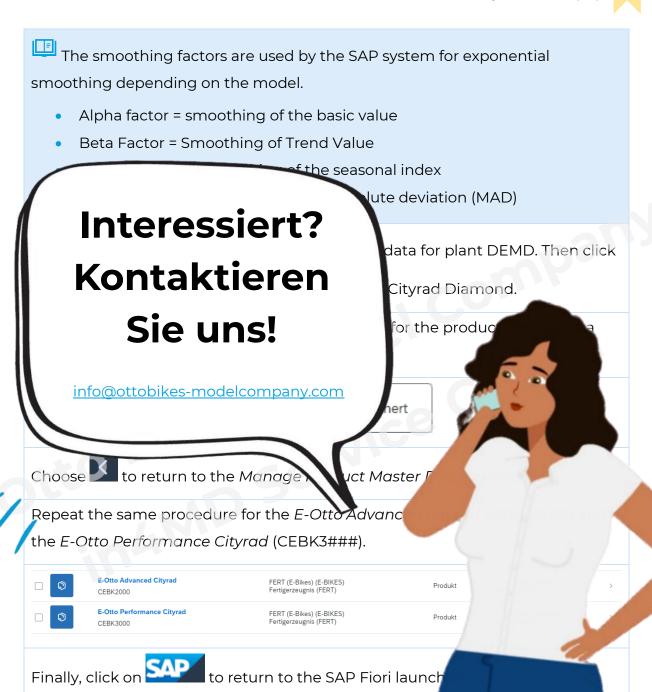
The window automatically scrolls to the correct location. You see a list of all plants for which the product has been defined.



Press at the end of the row with the DEMD to open the plant-specific product master data.



Choose the MRP Data area. The window automatically scrolls to the correct location. Enter strategy group 40 (Planning with final assembly). Dispositionsdaten Dispomerkmal:* ABC-Kennzeichen Meldebestand: c MPS, Fixierungsart -1- (M1) cp | 0,000 Dispogruppe Planungszyklus: C C C Verfügbarkeitsprüfung: Strategiegruppe: Fixierungshorizont: ☐ Vorplanung mit Endmontage (40) C Then choose Forecast -> Required Periods and enter 12 in the Periods for Initialization field. Benötigte Perioden Vergangenheitsperioden: MON 12 MON 0 MON Prognoseperioden: Perioden für Initialisierung: 12 Scroll down to the next subarea Control Data. In the Optimization Level field, click the value help icon \square and select the optimization level **F** (Fine – High Optimization Level). Back in the Control Data area, also activate the parameter optimization. You then set the smoothing factors. Enter 0.20 as the alpha factor, 0.10 as the beta factor, **0.30** as the gamma factor, and **0.30** as the delta factor. Steuerungsdaten Betafaktor Initialisierungskennzeichen: Initialisierung durch das System (X) G CP 0,10 Gammafaktor Modellauswahlkennzeichen: Prognosemodell automatisch zurücksetzen: 0,30 Paramteroptimierung: Deltafaktor: Optimierungsebene: Fein (hoher Optimierungsgrad) (F) **₽** 0,30 Signalgrenze: Korrekturfaktoren: 4,000 Modellauswahlverfahren: Alphafaktor Analytisches Modellauswahlverfahren (2) G



to return to the SAP Fiori launch