

Controlling Cost Center Acc. (CO-CCA)

This document is intended to help instructors understand the case study process and manage the learning process in and outside the classroom. The main focus lies on prerequisites and common tasks such as testing and trouble-shooting.

Product

SAP S/4HANA 2020
Global Bike

Level

Instructor

Focus

Controlling

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4.1

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MOTIVATION

Theoretical lectures explain concepts, principles, and theories through reading and discussion. Therefore, they enable students to acquire knowledge and gain theoretical insights.

In contrast, case studies allow them to develop their abilities to analyze enterprise problems, learn and develop possible solutions, and make sound decisions.

The main objective of the Global Bike case studies in general is for students to understand the concept of integration. These descriptive and explanatory case studies will allow students to understand the importance and the advantages of integrating enterprise areas using an S/4HANA system.

The main goal of this document is to help instructors prepare the SAP system for the case study process and to support them trouble-shoot problems that might occur during the course.

Beside technical and didactic prerequisites, the lecturer notes list SAP transactions for testing and correcting student results in the SAP system. In addition, this document describes common problems and explains their reason and solution.

Prerequisites

Note Before using this case study in your classroom please make sure that all technical (month-end closing, user management etc.) and didactic prerequisites are fulfilled. Such prerequisites are briefly pointed out below. Detailed documentation can be displayed at and downloaded from the *Learning Hub of SAP UA* or the *UCC websites*.

Technical Prerequisites

The Controlling case study CCA is based on a standard SAP S/4HANA client with the current Global Bike dataset. Before processing the case study on your own or with your students all general setting should be checked.

Note With the current version of the Global Bike client a **year-end closing** is not necessary, because it has already been automated or because it is not needed for the process described in the curriculum material.

Year-end-closing

User accounts in the SAP system need to be created or unlocked.

User management

These student user accounts should end with a three-digit numeric number (e.g. LEARN-001, LEARN-002 etc.). This number will be represented by ### in the case study and helps differentiate customer accounts, products etc.

In an SAP S/4HANA Global Bike client, 1000 user accounts from **LEARN-000** to **LEARN-999** already exist. These users need to be unlocked. The initial password for each LEARN-### account is set to **tlestart**.

LEARN-000 to
LEARN-999

tlestart

Transaction ZUSR (app User Maintenance) was developed in the Global Bike client in order to mass maintain SAP user accounts. For a detailed description of this and SAP standard transactions for user management (**SU01** and **SU10**) please refer to the lecturer notes „User Management“ (see: current Global Bike curriculum → chapter 99 – Instructor Tools).

SU01
SU10

All LEARN-### user accounts have been assigned to the role *Z_UCC_GBI_SCC* and have authorizations to use all applicative transactions in the SAP S/4HANA system. The role allows access to all transactions necessary for Global Bike exercises and case studies. If you need access to system-critical transactions, i.e. for development purposes, you may assign the composite profile *SAP_ALL* to your student accounts.

It is useful for the instructor to have a user account available for testing that has the same authorizations as the student accounts. You may use the predefined instructor account **LEARN-000** for this purpose.

Instructor account
LEARN-000

Didactic Prerequisites

In order to successfully process this case study, students should be familiar with the **navigation** in SAP systems, especially the SAP Fiori Launchpad, the SAP transaction concept as well as possible documentation and help options. We highly recommend using the *navigation slides* and the *navigation course* (see: current Global Bike curriculum → chapter 2 – Navigation).

Navigation

In addition, it has been proven beneficial that students have a thorough understanding of the **historic background** and the enterprise structure of the Global Bike concern before they start working on the SAP system. For this purpose we recommend the *case study „Global Bike Group“* (see: current Global Bike curriculum → chapter 3 – Global Bike).

Company background

Because the case study is not based on the exercises, it is not necessary to have processed the CO exercises before you start with the case study. However, it is recommended.

In order to function properly this case study needs a **Global Bike client version** that is equal to or higher than the case study version (see cover page). Please check. If you do not know the client version please use the app **Global Bike Version** within your SAP S/4HANA system or contact your UCC team.

Global Bike client version

Since Cost Center planning is done for the current fiscal year copying planning data into the next fiscal year is necessary if the case study is processed over the year change.

Copying can be done in transaction **KP97** in SAP GUI which will produce the following screen:

KP97

Enter **NA00** as Controlling Area if necessary.


NA00

The screenshot shows the 'Copy Planning: Initial Screen' in SAP. At the top, there's a header bar with the SAP logo and the title 'Copy Planning: Initial Screen'. Below this, there are dropdown menus for 'Planning Currencies...' and 'More'. The main section is titled 'Target Cost Centers' and contains several input fields and radio buttons. The 'Controlling Area' field is filled with 'NA00'. Below it, there are radio buttons for 'Cost center', 'Cost center group', 'Selection Variant', and 'All Cost Centers', with 'All Cost Centers' being selected. To the right of these fields is a 'to:' field. Below the radio buttons are three icons: a document, a pencil, and a magnifying glass. The bottom section is divided into two columns: 'Template (Plan)' and 'Target (Plan)'. Each column has fields for 'Version' (both set to 0), 'Period' (both set to 1 to 12), and 'Fiscal Year' (Template set to 2018, Target set to 2019). At the bottom left, there are radio buttons for 'Template Cost Center' (selected) and 'Choose Template'. A 'Selection' button is located at the bottom right of the 'Template (Plan)' section.

Select the radio button **All Cost Centers**, use version **0** with periods **1** to **12** and enter the years accordingly, i.e. if you taught a winter term 2021/2022 use 2021 in Template (Plan) and 2022 in Target (Plan).

All Cost Centers
0
1-12

Make sure too uncheck the Test Run field and click on .

Leave the transaction by clicking  and Yes in the following window.

Locking mechanism

Problems with the locking mechanism in the SAP system (due to master data being processed simultaneously by different participants) occur in this case study when:

- Saving the cost center (short-term lock of the standard hierarchy)
- Assessing canteen costs
- Automatically calculating the prices of activity types

You must emphasize to the students that this behavior does not represent an error in the system, but is a sensible automatic measure to prevent inconsistencies in the database. The authors of the case study have tried to prevent lock situations by allowing participants to maintain only their own master data as much as possible.

As a lecturer, you should ensure that students return to the SAP Fiori Launchpad during long breaks in ALL MODES to prevent other participants from being locked.

If the lock situation gets out of control, for example, if several users reach the same step in the case study at the same time, the lecturer should coordinate the processing of the app, that is, allow one student after another complete the step.

NOTE You can double-click the red warning message to determine which participant is currently preventing others from processing the transaction.

Global Feedback

Do you have any suggestions or feedback about Global Bike? Please send it to our new email-address **gbi@ucc.ovgu.de** which is used to gather feedback globally. All emails will be evaluated by the persons responsible for the curriculum bi-weekly. This way your feedback might influence future releases directly.

Please note that any support requests send to this email-address will be ignored. Please keep using the common support channels for your support requests.



Student Assessment

Note With the App below you can check and correct master and transactional data that your students have created during your course.

Global Bike Monitoring Tool (beta)

We are developing a Global Bike Monitor, which is available for the CO-CCA case study.

A detailed tutorial for this tool is available in the module *99 Instructor Tools* of the current Global Bike curriculum.

Please keep in mind that this transaction is an additional functionality designed by the UCC Magdeburg and still in development. Therefore, we kindly ask you to send any feedback or detailed error descriptions to the following address: **gbi@ucc.ovgu.de**



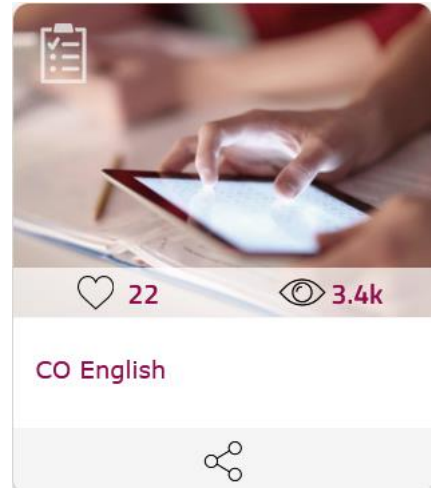
Learning Snacks CO

Note With the Learning Snacks CO you can check your learning success in the module CO.

What is Learning Snacks?

Learning Snacks offers the possibility to check the knowledge gained during the case studies and exercises by means of small single-choice questions. Depending on the selected module, you can play through a Learning Snacks (CO here). Learning Snacks can be used with or without prior registration. By having your own account, you can create snacks yourself, like other snacks and receive some kind of points for each question you answer correctly.

You can find detailed instructions on Learning Snacks in the module "98 Cross-Module".



Result Verification

Note SAP offers several methods of verifying planned values within Controlling. Two transactions are suitable for controlling if the class is finished and if so that they have the proper values. These two transactions also offer a good starting point for error tracing.

Activity Prices Given the values in the case study the activity prices should be 45.00 USD for A### and 50.00 USD for W###.

Open transaction **KSBT** in SAP GUI which will produce the following screen.

KSBT

Activity Type Price Report: Initial Screen

Cost Center

or

Cost Center Group:

Cost Center(s): to:

Activity Type

or

Activity Type Group:

Activity Type(s): A001 to: M001

Selection Parameters

Version: 0

Fiscal Year: 2021

From Period: 1 to: 12

Price Indicator:

Price Unit: 1

☒ Display Only Activity Prices Used for Allocation

Execute

Select the cost activity types as shown in the picture above (A### to M###). If the *Selection Parameters* area is not filled out yet, enter **0** as version, the **current fiscal year**, period **1** to **12** and price unit **1**.

A### to M###
0
current year, 1, 12, 1

Press F8 or click on **Execute** which will produce the following screen.

Cost Center	Activity Type	Version	Fiscal Year	Period	Price unit
A001 To M001	0 Plan/Act - Version	2021	1 To 12	1	

Cost Center	Acty Type	Cost ctr short text	Act. type short text	CO crcy	Total Price	Price (Variable)	Price (Fixed)	Pri
ASSY1001	A001	Assembly 001	Assembly Hours 001	USD	45,00	25,00	20,00	1
MAIN1001	M001	Maintenance 001	Maint. Hours 001	USD	50,00	0,00	50,00	1

Activity Types that underwent price planning (second last step of the case study) will be listed here.

The correct total prices for the Activity Types strongly indicate that the case study was processed properly.

Cost Center Planning Similar to the Activity Prices, planned cost for cost centers will show specific results if everything was entered correct.

Open transaction **S_ALR_87013611** in SAP GUI which will produce the following screen.

S_ALR_87013611

The screenshot shows the SAP GUI for transaction S_ALR_87013611. The title bar is 'Cost Centers: Actual/Plan/Variance: Selection'. Below the title bar, there is a search bar and a 'Data Source...' button. The 'Selection values' section contains the following fields: Controlling Area: NA00, Fiscal Year: 2021, From Period: 1, To Period: 12, and Plan Version: 0. The 'Selection groups' section contains two rows: 'Cost Center Group' with 'Or value(s): ASSY1001' and 'to: MAIN1001', and 'Cost Element Group' with 'Or value(s):' and 'to:'. There are also buttons for 'Execute' and 'Exit'.

Select the cost center range as shown in the picture above (ASSY1### to MAIN1###). If the Selection Parameters area is not filled out yet, enter **0** as version, the **current fiscal year** and period **1** to **12**.

ASSY1### to MAIN1###
0
current year, 1,12

Press F8 or click on **Execute** which will produce the following screen.

You can select a specific cost center on the left side by clicking on it. The values should show as follows.

Assembly:

Cost Centers: Actual/Plan/Variance		Date: 04.01.2022	Page: 2 / 4
			Column: 1 / 2
Cost Center/Group	ASSY1001	Assembly 001	
Person responsible:	Tony Stark		
Reporting period:	1 to 12 2021		

Cost Elements	Act. Costs	Plan Costs	Var.(Abs.)	Var.(%)
6991000 Cost of Labor		150.000,00	150.000,00-	100,00-
8030011 Plan Asm. CAFE1001		90.000,00	90.000,00-	100,00-
8030012 Allocation MAIN100		30.000,00	30.000,00-	100,00-
* Debit		270.000,00	270.000,00-	100,00-
8030013 Allocation ASSY100		270.000,00-	270.000,00	100,00-
* Credit		270.000,00-	270.000,00	100,00-
** Over/Underabsorption				

Cost Centers: Actual/Plan/Variance		Date: 04.01.2022	Page: 3 / 4
			Column: 1 / 2
Cost Center/Group	ASSY1001	Assembly 001	
Person responsible:	Tony Stark		
Reporting period:	1 to 12	2021	

Activity Types	Act. Acty	Plan Acty	Var. (Abs.)	Var. (%)
A001 Assembly Hours 001		6.000 H	6.000- H	100,00-

Cost Centers: Actual/Plan/Variance		Date: 04.01.2022	Page: 4 / 4
			Column: 1 / 2
Cost Center/Group	ASSY1001	Assembly 001	
Person responsible:	Tony Stark		
Reporting period:	1 to 12	2021	

Statistical Key Figures	Actual	Plan	Var. (Abs.)	Var. (%)
EMP001 Number of employees		15 PRS	15- PRS	100,00-
SM001 Area in square metres		2.250 M2	2.250- M2	100,00-

You can verify the following:

- Number of employees (15 for Assembly)
- Expenses (150,000 for Assembly)
- Assessed cost (90,000 for Assembly)
- Allocated cost (30,000 for Assembly)
- Planned activity (6,000 for Assembly)

Cafeteria:

Cost Centers: Actual/Plan/Variance		Date: 04.01.2022	Page: 2 / 3
			Column: 1 / 2
Cost Center/Group	CAFE1001	Cafeteria 001	
Person responsible:	Tony Stark		
Reporting period:	1 to 12	2021	

Cost Elements	Act. Costs	Plan Costs	Var. (Abs.)	Var. (%)
5900000 Purchased services		90.000,00	90.000,00-	100,00-
6991000 Cost of Labor		60.000,00	60.000,00-	100,00-
8030011 Plan Asm. CAFE1001		30.000,00	30.000,00-	100,00-
* Debit		180.000,00	180.000,00-	100,00-
8030011 Plan Asm. CAFE1001		150.000,00-	150.000,00	100,00-
* Credit		150.000,00-	150.000,00	100,00-
** Over/Underabsorption		30.000,00	30.000,00-	100,00-

Cost Centers: Actual/Plan/Variance		Date: 04.01.2022	Page: 3 / 3
			Column: 1 / 2
Cost Center/Group	CAFE1001	Cafeteria 001	
Person responsible:	Tony Stark		
Reporting period:	1 to 12 2021		

Statistical Key Figures	Actual	Plan	Var. (Abs.)	Var. (%)
EMP001 Number of employees		5 PRS	5- PRS	100,00-

You can verify the following:

- Number of employees (5 for Cafeteria)
- Expenses (60,000 and 90,000 for Cafeteria)
- Assessed cost (30,0000 for Cafeteria)
- Credited cost (150,000 for Cafeteria)

Maintenance:

Cost Centers: Actual/Plan/Variance		Date: 04.01.2022	Page: 2 / 4
			Column: 1 / 2
Cost Center/Group	MAIN1001	Maintenance 001	
Person responsible:	Tony Stark		
Reporting period:	1 to 12 2021		

Cost Elements	Act. Costs	Plan Costs	Var. (Abs.)	Var. (%)
6991000 Cost of Labor		60.000,00	60.000,00-	100,00-
8030011 Plan Asm. CAFE1001		30.000,00	30.000,00-	100,00-
* Debit		90.000,00	90.000,00-	100,00-
8030012 Allocation MAIN100		90.000,00-	90.000,00	100,00-
* Credit		90.000,00-	90.000,00	100,00-
** Over/Underabsorption				

Cost Centers: Actual/Plan/Variance		Date: 04.01.2022	Page: 3 / 4
			Column: 1 / 2
Cost Center/Group	MAIN1001	Maintenance 001	
Person responsible:	Tony Stark		
Reporting period:	1 to 12 2021		

Activity Types	Act. Acty	Plan Acty	Var. (Abs.)	Var. (%)
M001 Maint. Hours 001		1.800 H	1.800- H	100,00-

Cost Centers: Actual/Plan/Variance		Date: 04.01.2022	Page: 4 / 4
			Column: 1 / 2
Cost Center/Group	MAIN1001	Maintenance 001	
Person responsible:	Tony Stark		
Reporting period:	1	to 12	2021

Statistical Key Figures	Actual	Plan	Var. (Abs.)	Var. (%)
EMP001 Number of employees		5 PRS	5- PRS	100,00-

You can verify the following:

- Number of employees (5 for Maintenance)
- Expenses (60,000 for Maintenance)
- Assessed cost (30,0000 for Maintenance)
- Allocated cost (90,000 for Maintenance)
- Maintenance hours (1800 for Maintenance)

If the values do not match please refer to the solutions described below.



Problem: Statistical Key Figure deviating

Symptom The Statistical Key Figure value deviates.

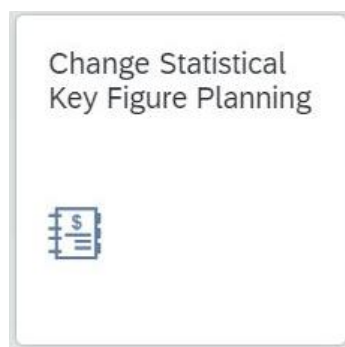
Reason The Statistical Key Figure was not planned properly.

Solution Change the planning in the app transaction Change Statistical Key Figure Planning.

Solution

Open the app *Change Statistical Key Figure Planning* in the section *Controlling*.

Fiori App



This will produce the following screen.

SAP Change Statistical Key Figure Planning: Initial Screen

Layout: 1-301 Statistical Key Figures: Standard

Variables

Version: 0	Plan/Act - Version
From Period: 1	January
To Period: 12	December
Fiscal year: 2021	
Cost Center: MAIN1001	Production Maintenance Department
to:	
or group:	
Stat. key figure: EMP001	Number of employees
to:	
or group:	

Enter **0** as version, the **current fiscal year**, period **1** to **12**. The cost center in question and the corresponding statistical key figure **EMP###**.

0, current year, 1,12
Cost center
EMP###

Click [Overview Screen](#).

The assembly cost center should have 15 employees, maintenance and canteen 5 employees each.

Change the value in the Current Plan Value column to the one given by the case study.

SAP Change Statistical Key Figure Planning: Overview Screen

Version: Plan/Act - Version
 Period: To:
 Fiscal Year:
 Cost Center: Production Maintenance Department

<input type="checkbox"/>	Statisti...	Text	T	Current Plan Value	Dist...	Maximum plan value	Dist...	Unit	Lon...
<input type="checkbox"/>	EMP001	Number of employees	1	5	2		2	PRS	<input type="checkbox"/>
<input type="checkbox"/>									

Click on . Repeat the steps if necessary.



Problem: Activity Output deviating

Symptom The planned activity output for the assembly or maintenance deviates.

Reason The output was not planned correct.

Solution Change the planning in app Edit Prices for Activity Types – Cost Centers.

Solution

Open the app *Edit Prices for Activity Types – Cost Centers* in the section Controlling.

Fiori App



This will produce the following screen.

 The screenshot shows the 'Change Activity Type/Price Planning: Initial Screen' in the SAP Fiori app. At the top is a dark blue header with the SAP logo and the title. Below the header is a toolbar with a 'More' dropdown menu. The main area is titled 'Variables' and contains several input fields and labels. On the left, there are labels for 'Version:', 'From Period:', 'To Period:', 'Fiscal year:', 'Cost Center:', 'to:', 'or group:', 'Activity Type:', 'to:', and 'or group:'. On the right, there are corresponding values or labels: '0', '1', '12', '2021', 'MAIN1001', 'Production Maintenance Department', 'M001', and 'Maint. Hours 001'. The 'Layout' is set to '1-201' and 'Activity Types with Prices: Standard'.

Enter **0** as version, the **current fiscal year**, period **1** to **12**.

Enter Cost Center **MAIN1###** and Activity Type **M###** or **ASSY1###** and **A###** respectively. Press [Overview Screen](#).

0, current year, 1,12

MAIN1###
and M###
or
ASSY1###
and A###

Change the value in the Plan Activity column accordingly. The maintenance hours are 1800 in total the assembly hours are 6000 in total.

SAP Change Activity Type/Price Planning: Overview Screen

Line Items Change Values More

Version: 0 Plan/Act - Version
 Period: 1 To: 12
 Fiscal Year: 2021
 Cost Center: MAIN1001 Production Maintenance Department

Activit...	Plan Activity	Dist...	Capacity	Dist...	Unit	Price (Fixed)	Variable price	Price ...	PL...	Pla...	Av...	Alloc. cost el...	T	EquiNo	Scheduled Activity	Lon...
<input type="checkbox"/> M001	1,800	2		2	H	50.00		00001	1	<input type="checkbox"/>	<input type="checkbox"/>	8030012	1	1	600	<input type="checkbox"/>

Click on **Post**. Repeat the steps if necessary.



Problem: Expenses deviating

Symptom The planned cost input deviates from the values given in the case study.

Reason Planning was not done correct.

Solution Change the planning in the app Plan Primary Cost Input – Deprecation/Interest.

Solution

Open app *Plan Primary Cost Input – Deprecation/Interest* in the controlling section.

Fiori App



This will produce the following screen.

SAP Change Cost Element/Activity Input Planning: Initial Screen

Layout: 1-101 Cost Elements Acty-Indep./Acty-Dependent

Variables

Version: 0	Plan/Act - Version
From period: 1	January
To period: 12	December
Fiscal year: 2021	
Cost Center: MAIN1001	Production Maintenance Department
to:	
or group:	
Activity Type: M001	Maint. Hours 001
to:	
or group:	
Cost Element:	
to:	
or group:	

Enter **0** as version, the **current fiscal year**, period **1** to **12**.

0, current year, 1,12

The following values should be planned:

Cost Center	Cost Element	Value
CAFE1###	6991000	60,000
CAFE1###	5900000	90,000
MAIN1###	6991000	60,000
ASSY1###	6991000	150,000

As **MAIN1###** uses activity specific planning activity type M### has to be entered as well. Refer to the case study for more information.

Enter the needed combination of data and click [Overview Screen](#).

Change the value in the Plan Fixed Costs column accordingly.

Version: 0 Plan/Act - Version
 Period: 1 To: 12
 Fiscal Year: 2021
 Cost Center: ASSY1001 Production Assembly Department

Activit...	Cost Element	Plan Fixed Costs	Dist...	Plan Variable Costs	Dist...	Plan fixed consumpt.	Dist...	Plan vbl consumption	Dist...	Unit	Q	Lon...
A001	6991000	150,000.00	2	150,000.00	2	0.000	2	0.000	2		<input type="checkbox"/>	<input type="checkbox"/>

Click on [Post](#). Repeat the steps if necessary.



Solution: CO-CCA Challenge

Learning Objective Understand and perform a cost center accounting process.

Motivation After you have successfully worked through the *Cost Center Accounting* case study, you should be able to solve the following task on your own.

Scenario You have already allocated the canteen costs to the cost centers. You have to allocate the electricity costs to the cost centers assembly and maintenance now.


Both are situated in the same building with a total area of 3000 square meter. Therefore, they split the electricity costs based on the amount of square meters used by them respectively. Use a ratio of three (Assembly) to one (Maintenance) for your calculation.

Collect the accrued electricity costs of 60,000 USD on a suitable new cost center (e.g. ENERGY###) within hierarchy area N1200. Use the cost element 6325000 to do so. Afterwards allocate the cost to the receiving cost centers.

Task Information Since this task is based on the *Cost Center Accounting* case study you can use it as guidance. However, it is recommended that you solve it without any help in order to test your acquired knowledge.

At the respective tasks choose a fitting cost element and be aware of the difference between a distribution and an allocation when choosing a transaction.

Create Cost Center

In the app *Manage Cost Centers* you can create a cost center as described in the case study. To start click .

Fiori App



Enter **ENERGY###** and **Energy Costs ###** as Name and Description.

ENERGY###
Energy Costs ###

ENERGY001
Energy Costs 001

Display Saved Version Copy Validity Periods Where Used

General Information Organizational Units Control Address Communication Translation Change Log

Controlling Area: NA00 (Global Bike North America) Valid From: 01/01/2021 Department: Cost Center: ENERGY001 (Energy Costs 001) Valid To: 12/31/9999 Cost Center Category: H (Service cost center) Name: Energy Costs 001 User Responsible: Created On: 12/20/2021 Description: Energy Costs 001 Person Responsible: Tony Stark Created By: LEARN-004 (Learn-004 Learn-004)

Organizational Units

Standard Hierarchy Node: N1200 Business Area: Profit Center: Company Code: US00 (Global Bike Inc.) Currency: USD (United States Dollar) Functional Area:

After comparing your entries with the screenshot above, save your cost center.

Create Statistical Key Figure

In the app *Manage Statistical Key Figures* you create a statistical key figure.

Fiori App



Click **Create**, enter **SM###** as statistical key figure ID, **Area in square metres** as name and choose Square meter (**M2**) as unit. Make sure that **fixed val. (1)** is selected and save your entries.

SM###
Area in square meters
M2
Fixed values

SM004
Area in square metres

Copy Where Used

General Information Translation


Statistical Key Figure: SM004 Controlling Area: NA00 Category: ☒ 1 (Fixed Values) ☐ 2 (Totals Values) Statistical Key Figure Name: Area in square metres Quantity Unit: M2

Create Cost Center Group

In the app *Manage Cost Center Groups* you create a cost center group.

Fiori App



Click  and enter the Name for this group **ENERGY###**. In the next screen enter **Energy Cost Retrievers** as name.

ENERGY###
Energy Cost Receivers

New Cost Center Group

* Controlling Area: NA00 Global Bike North America

* Cost Center Group: ENERGY001

Preview on Key Date: 12/20/2021

Cost Center Group/Cost Center	Name	Person Responsible	Company Code	Company Name	Valid From	Valid To
<input checked="" type="checkbox"/> ENERGY001						

Then, press *Add > Add Cost Center*.

Cost Center Group: New

Save Edit Select Group Version

Preview on Key Date: 12/16/2021

Cost Center Group/Cost Center	Name	Person Responsible
<input checked="" type="checkbox"/> ENERGY004	Energy Cost Retrievers	

Select **MAIN1###** and **ASSY1###** and press .

MAIN1###, ASSY1###

Search: Cost Centers

Standard *

Hide Filter Bar Adapt Filters (0) Result <= 100 items **Go**

Cost Center: Cost Center Name: Person Responsible:

<input type="checkbox"/>	Cost Center	Description	Controlling Area	Company Code	Category	Person Responsible	User Responsible	Valid From	Valid To
<input checked="" type="checkbox"/>	ASSY1001	Assembly 001	NA00	US00	F	Tony Stark		01/01/2021	12/31/9999
<input type="checkbox"/>	CAFE1001	Cafeteria 001	NA00	US00	H	Tony Stark		01/01/2021	12/31/9999
<input type="checkbox"/>	ENERGY004	Energy Costs 004	NA00	US00	H	LEARN-004		12/20/2021	12/31/9999
<input type="checkbox"/>	KANT1000	No Text Available	NA00	US00	H	Learn-000	LEARN-000	01/01/2021	12/31/9999
<input checked="" type="checkbox"/>	MAIN1001	Maintenance 001	NA00	US00	H	Tony Stark		01/01/2021	12/31/9999

OK Cancel

< **SAP** Cost Center Group: New

Save Edit Select Group Version

Preview on Key Date: 12/20/2021

Levels Find:

<input type="checkbox"/>	Cost Center Group/Cost Center	Name	Person Responsible	Company Code	Company Name	Valid From	Valid To
<input checked="" type="checkbox"/>	ENERGY001						
<input type="checkbox"/>	ASSY1001	Assembly 001	Tony Stark	US00	Global Bike Inc.	01/01/2021	12/31/9999
<input type="checkbox"/>	MAIN1001	Maintenance 001	Tony Stark	US00	Global Bike Inc.	01/01/2021	12/31/9999

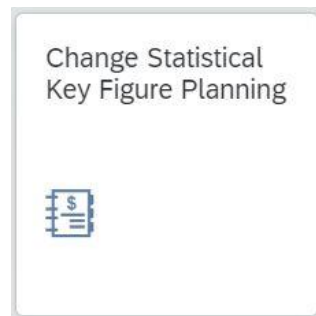
Save by clicking on

Save

Plan the Area

In the app *Change Statistical Key Figure Planning* you can plan the size of the areas for the respective department assembly and maintenance.

Fiori App



On the screen *Change Statistical Key Figure Planning: Initial Screen* enter the information as described in the case study. Enter **ASSY1###** as Cost Center and **SM###** as Stat. key figure.

ASSY1###
SM###

SAP Change Statistical Key Figure Planning: Initial Screen

Layout: 1-301 Statistical Key Figures: Standard

Variables

Version: 0 Plan/Act - Version
 From Period: 1 January
 To Period: 12 December
 Fiscal year: 2021

Cost Center: ASSY1001 Production Assembly Department
 to:
 or group:
 Stat. key figure: SM001 Area in square metres
 to:
 or group:

Click **Overview Screen**. Enter **2250** as current plan value and save your entry with **Post**.

2250

SAP Change Statistical Key Figure Planning: Overview Screen

Version: 0 Plan/Act - Version
 Period: 1 To: 12
 Fiscal Year: 2021
 Cost Center: ASSY1001 Production Assembly Department

Statisti...	Text	T	Current Plan Value	Dist...	Maximum plan value	Dist...	Unit	Lon...
<input type="checkbox"/> SM001	Area in square metre	1	2250	2		2	M2	<input type="checkbox"/>

Repeat the process for cost center **MAIN1###** with **750** as current plan value.

MAIN1###
750

Plan Primary Cost Inputs

In the app *Plan Primary Cost Inputs – Depreciation/Interest* you have to enter the primary costs for the cost center **ENERGY###**. Enter cost center **ENERGY###** and choose Utilites (electricity & phone) (**6325000**) as cost element.

Fiori App
ENERGY###
6325000

SAP Change Cost Element/Activity Input Planning: Initial Screen

Layout: 1-101 Cost Elements Acty-Indep./Acty-Dependent

Variables

Version: 0 Plan/Act - Version
 From period: 1 January
 To period: 12 December
 Fiscal year: 2021

Cost Center: ENERGY001 Energy Costs 001
 to:
 or group:
 Activity Type:
 to:
 or group:
 Cost Element: 6325000 Gas, electricity, water
 to:
 or group:

On the following screen enter the plan fixed costs of **60,000** and save your entry by clicking on **Post**.

60,000

SAP Change Cost Element/Activity Input Planning: Overview Screen

Version: 0 Plan/Act - Version
 Period: 1 To: 12
 Fiscal Year: 2021
 Cost Center: ENERGY001 Energy Costs 001

Cost Element	Plan Fixed Costs	Dist...	Plan Variable Costs	Dist...	Plan fixed consumpt.	Dist...	Plan vbl consumption	Dist...	Unit	Q	Lon...
6325000	60,000.00	2	0.00	2		2	0.000	2			

Create Assessment

You create the assessment in the app *Create Actual Assessment Cycle*.

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On the screen *Execute Plan Assessment: Initial Screen* choose from the menu **More ► Extras ► Cycle ► Create**. Name your cycle **CY###** and enter the **1st January of the current fiscal year** as valid from date. Confirm your entries with Enter.

CY###
01/01/current fiscal year

On the following screen enter **Distribution Cycle CY###** as text. Uncheck the **iterative** field and click on **Attach segment**.

Distribution Cycle
CY###
iterative

Enter **SEG###** as segment name. Enter **803###1** as the Assessment CElem.

SEG###
803###1

On the *Senders/Receivers* tab enter **ENERGY###** as sender cost center (from), the cost element **6325000** and as receiver enter cost center group **ENERGY###**. Compare your entries with the following screen.

ENERGY###
6325000
ENERGY###

Create Plan Assessment Cycle: Segment

Controlling Area: NA00 Global Bike North America
 Cycle: CY001 Distribution Cycle CY001
 * Segment Name: SEG001 ☐ Lock indicator

Segment Header **Senders/Receivers** Sender Values Receiver Tracing Factor

	From	To	Group
Sender			
Cost Center:	ENERGY001		
Functional Area:			
Cost Element:	6325000		
Receiver			
Order:			
Cost Center:			ENERGY001
Functional Area:			
Cost Object:			
WBS element:			

On the *Receiver Tracing Factor* tab choose the value **Plan Stat. Key Figures** in the Var. portion type field. The following information popup indicates that new fields are displayed. In the Selection Criteria section choose **Version 0** and statistical key figure **SM###**.

Plan Stat. Key Figures

0
SM###

Create Plan Assessment Cycle: Segment

Controlling Area: NA00 Global Bike North America
 Cycle: CY001 Distribution Cycle CY001
 * Segment Name: SEG001 ☐ Lock indicator


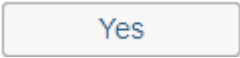
Segment Header Senders/Receivers Sender Values **Receiver Tracing Factor**

Tracing Factor

Var. Portion Type: 6 Plan Stat. Key Figures
 Scale Neg. Tracing Factors: 1 No Normalization

Selection Criteria


	From	To	Group
Version	0		
Stat. key fig.	SM001		
Activity Type			

Click **Save Without Check** to save, click  three times to go back, and confirm the subsequent confirmation .

In the *Execute Plan Assessment: Initial Screen* enter **CY###** in the cycle field and press Enter. Uncheck *Test Run* and click Execute.

CY###

The system should notify you that processing was completed without errors. The number of senders should be 1 and the number of receivers 2.

 **Display CCA: Plan Assessment Basic List**

≡ ≡ Σ ∇ 🔍 Segments 🔍 📄 More ▾

Controlling Area NA00
 Version 0
 Period 001 To 012
 Fiscal Year 2021
 Value Date 01/01/2021
 Exchange rate type M Standard translation at average rate
 Document Number 200000241
 Processing Status UpdateRun

Processing completed without errors

Cycle	Start Date	Text	P	Senders	Number of Receivers	No. of Messages
CY001	01/01/2021	Distribution Cycle CY001	U	1	2	0