

Open Plan-Infor (Baan) Interface

A Solution for

Project and Manufacturing Industries

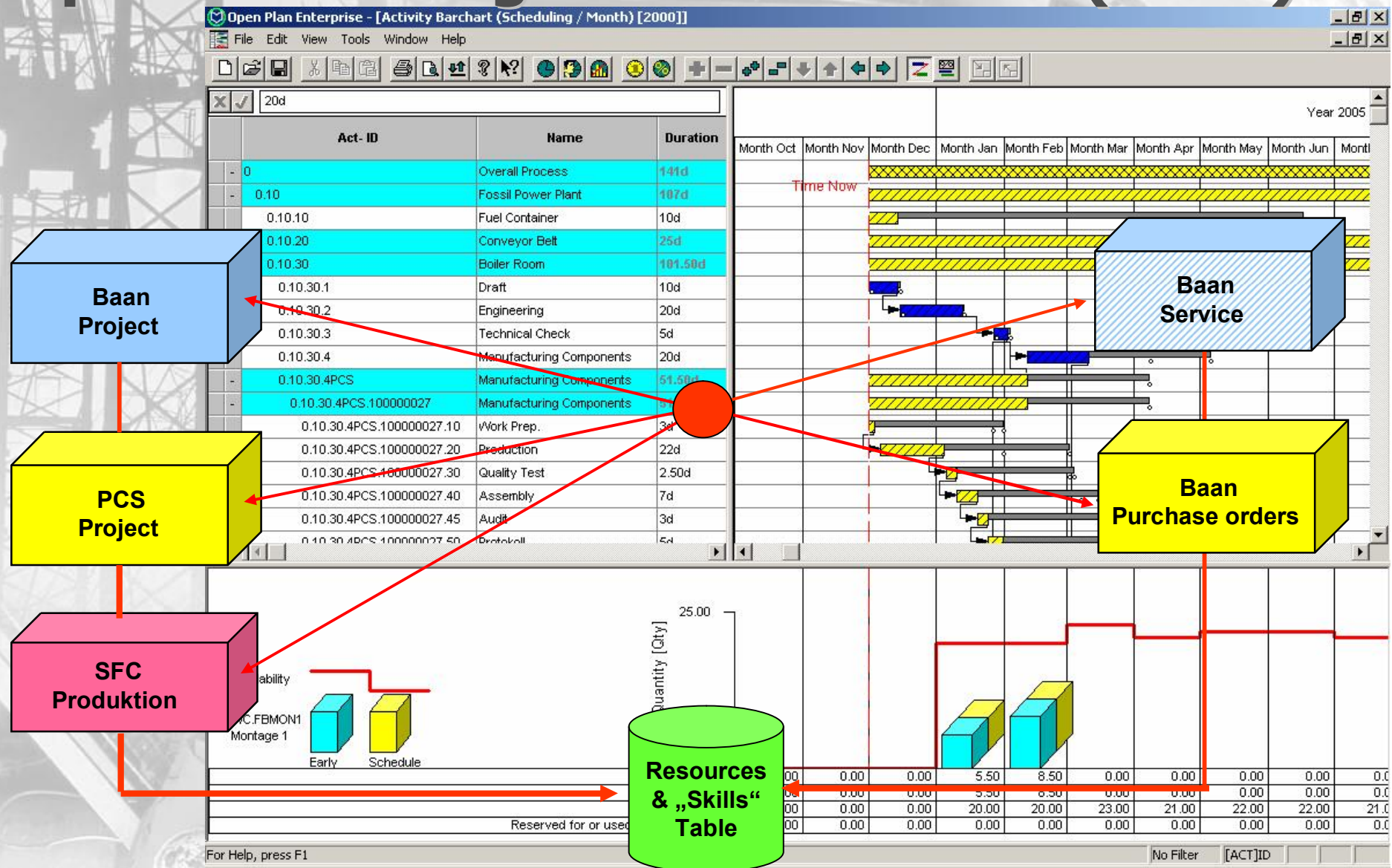
provided by
PMS- Consulting and S&T Slovenia



Open Plan Resource Scheduling Software with Infor (Baan)

Versions: Baan IV, ERP, LN

Open Plan Integration with Infor (Baan)





Scope:

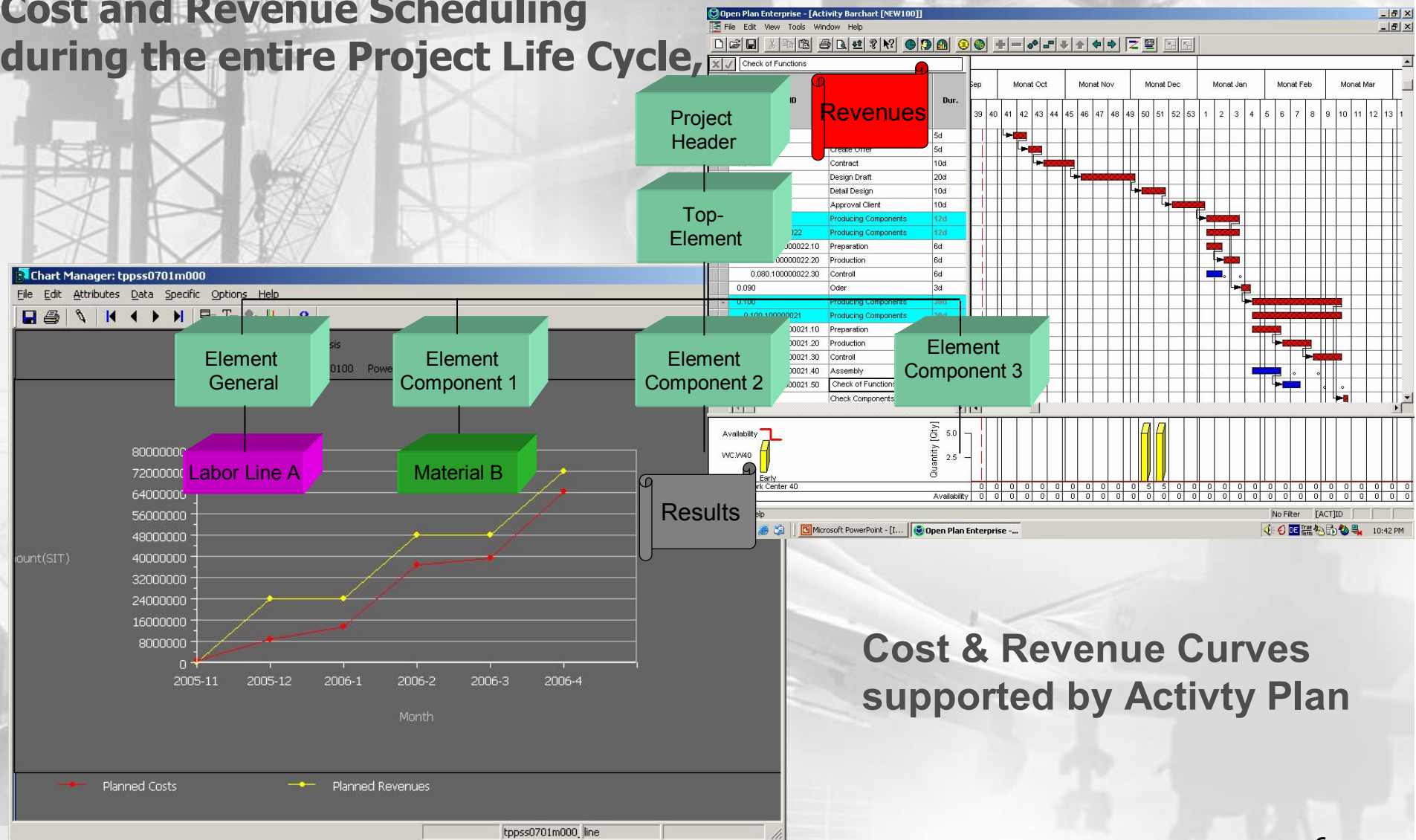
- **Open Plan (OPP) integrated with Project & Manufacturing Data.**
- **Resources used for short and long term scheduling and resource planning.**
 - **Resources of organizations are grouped in OPP**
- **Optimization of internal logistic and external procurement processes.**
 - **Multi project set up in OPP via the interface**



Financial & scheduling control of projects

Project Life Cycle

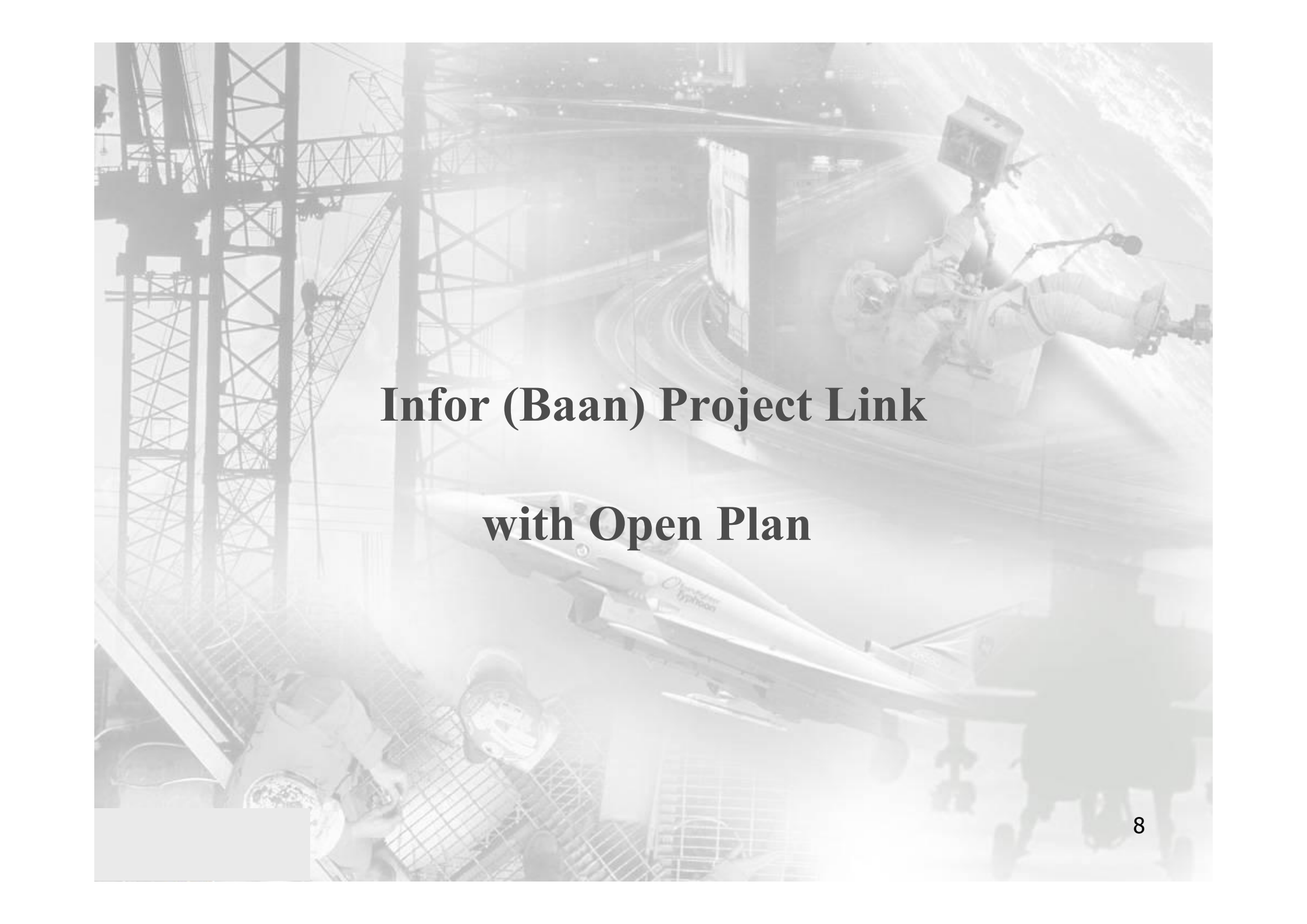
Cost and Revenue Scheduling during the entire Project Life Cycle,



Cost & Revenue Curves supported by Activity Plan



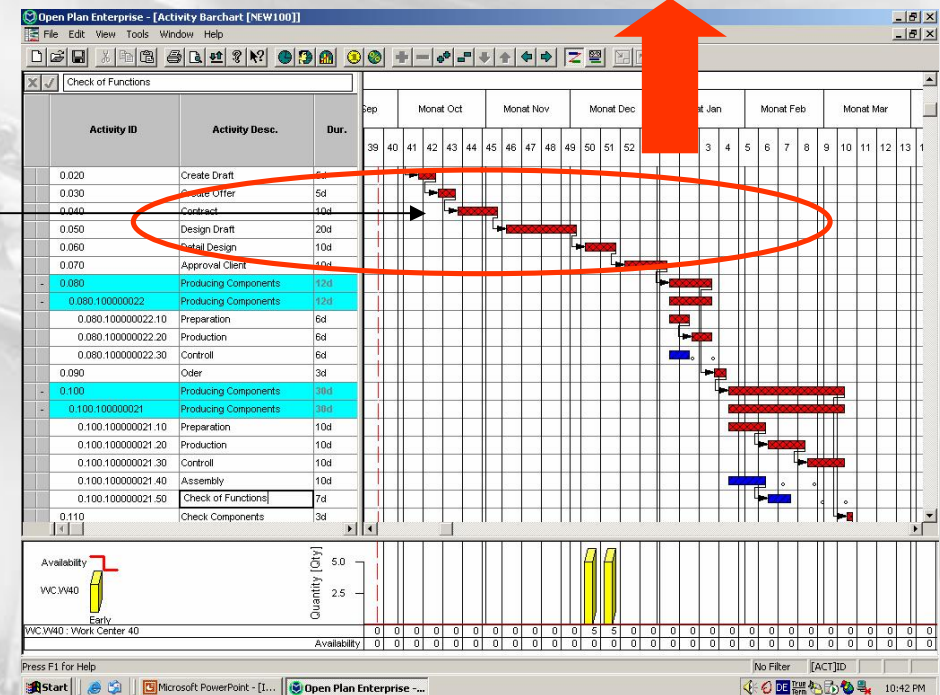
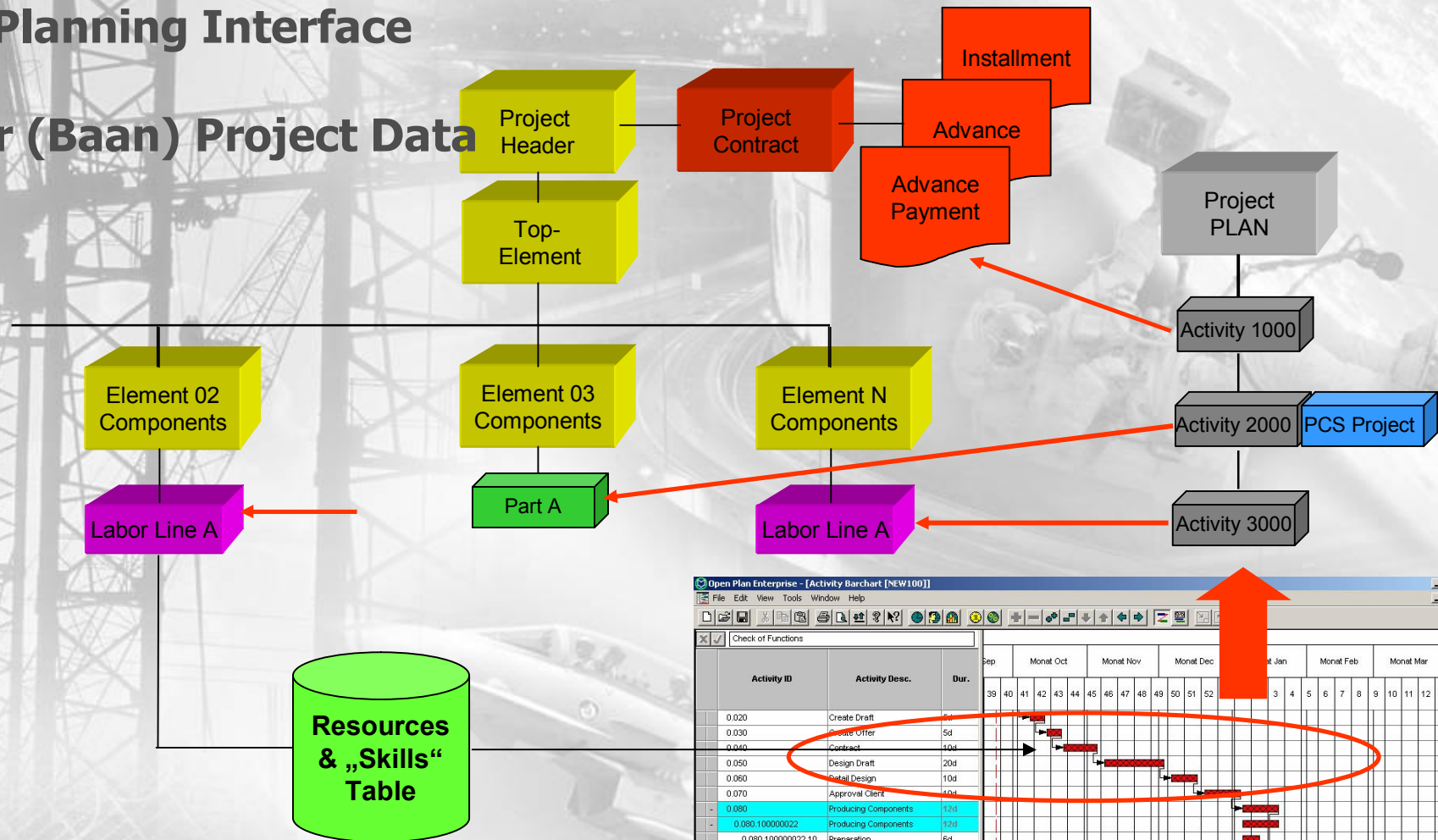
Interface Data flow overview

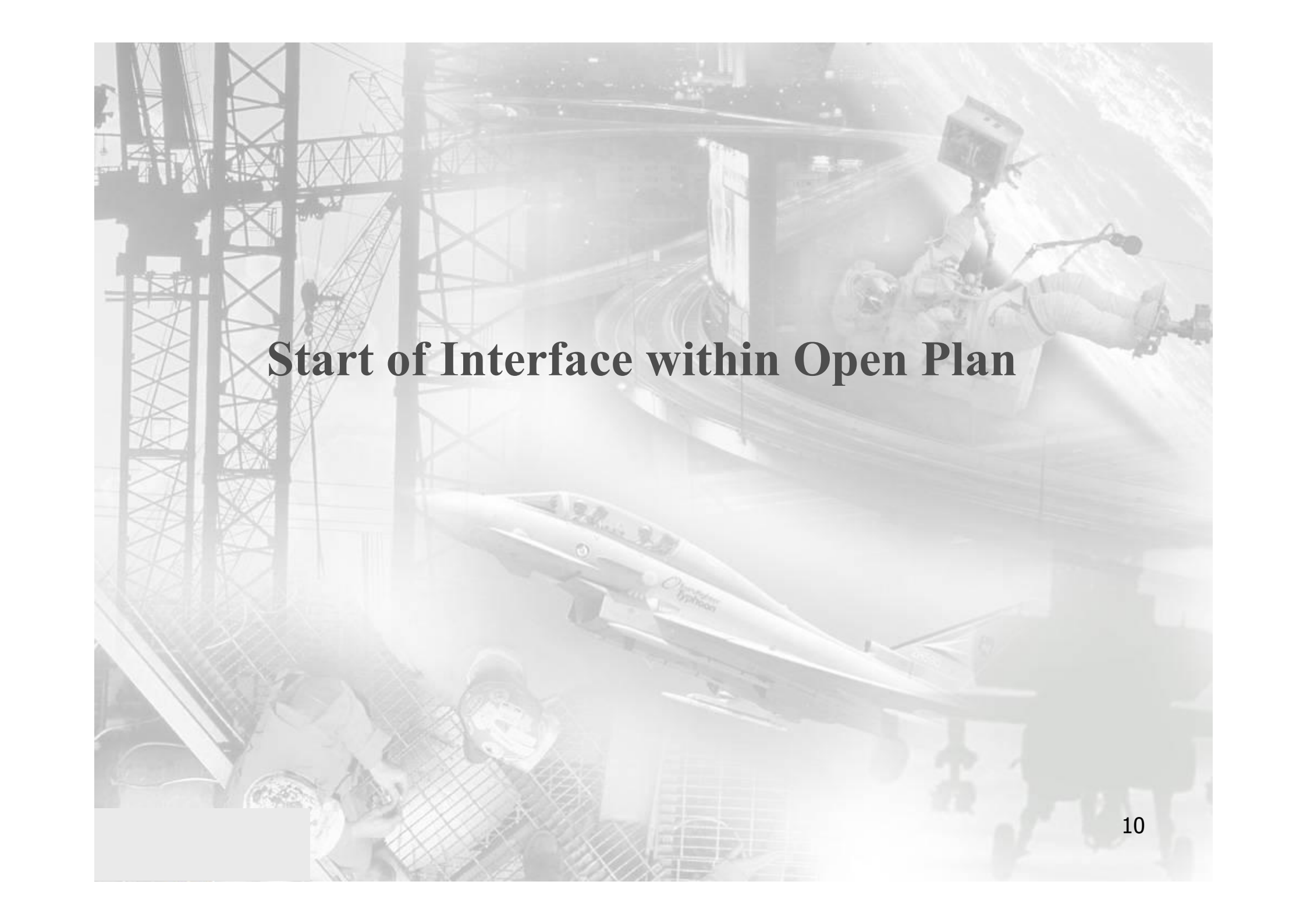


Infor (Baan) Project Link with Open Plan

Planning Interface

Infor (Baan) Project Data





Start of Interface within Open Plan

The background is a grayscale collage. On the left, a large space station or orbital structure is visible. In the center, a fighter jet, specifically a Eurofighter Typhoon, is shown in flight. On the right, a city skyline with a prominent tower is visible. The text 'Exchange of Data' is centered over the collage.

Exchange of Data

tpss2500m000 : Charge Elements [User: baan] [610]

File Edit View Group Workflow Tools Specific Window Help

Project UH100 Project Active
Plan 001 Current Plan

Charge Element	Description	Search Key	Parent Charge Element	Charge Element Type	Charge El. Status	Perc Complete
0	Top Activity	TOP ACTIVITY		Work Package	Free	0.00
10010	Overall Design	OVERALL DESIG	0	Work Package	Final	100.00

Budget Tracking Miscell.

Project UH100 Project
Plan 001 Current Plan
Charge Element 10010

Tracking Dates

Scheduled Start date	05072004	00:00:00
Scheduled Finish Dt.	06-07-04	08:00:00
Actual Start Date	05-07-04	00:00:00
Actual Finish Date	07-07-04	00:00:00
Percent Complete	100.00	

Insert and update....

1. Early Start Date
2. Early End Date, **or:**
3. Scheduled Start Date
4. Scheduled End Date

When Project is in status „Active“, then:

1. Actual Start Date – **Change of Baan Activity Status: to „Active“**
2. Actual End Date &
3. Percentage of Completion (100%) – **Change Status : to „Final“**

Infor (Baan) Project Budget

tpptc1511m000 : Element Budget (Labor Lines) [User: baan] [610]

File Edit View Group Workflow Tools Specific Window Help

Project UH100 Project Active
Element 100 Components Free

* Line Labor Description Quantity Unit Budg. st. Text
10 EN0100 Engineering 100.00 h Free
30 AS0100 Assembling 50.00 h Free

Activity Details [125]

General Relationships Resources Codes Advanced Risk Notes

ID: 1.01.01.01.05 Status: Planned
Desc.: Activity 1.01.01.01.05 Duration: 10d

☒ EN

Resource	Curve	Level	Alternate
EN	T	100.00	

Close Undo Apply New Progress... Help

Tasks „EN0100“ is transfered to Resource Assignment „EN“

**Open Plan proposes
„real“ Resource
when required!**

**Open Plan Resource
Management**

Activity Details [125]

General Relationships Resources Codes Advanced Risk Notes

ID: 1.01.01.01.05 Status: Planned

Desc.: Activity 1.01.01.01.05 Duration: 10d

☒ EN

Resource	Curve	Level	Alternate
EN	T	100.00	

Close Undo Apply New Progress... Help

Activity Resource Allocation

ID: 05

Desc: Activity 1.01.01.01.05

Total Float: 10d Original Duration: 10d Earliest Feasible Start: 16Aug04

Free Float: 0 Scheduled Duration: 10d

Delaying Resource:

Requested	Level	Alternate	Suggested
EN	100.00		01.04.1.01

OK Cancel Help Accept Lock

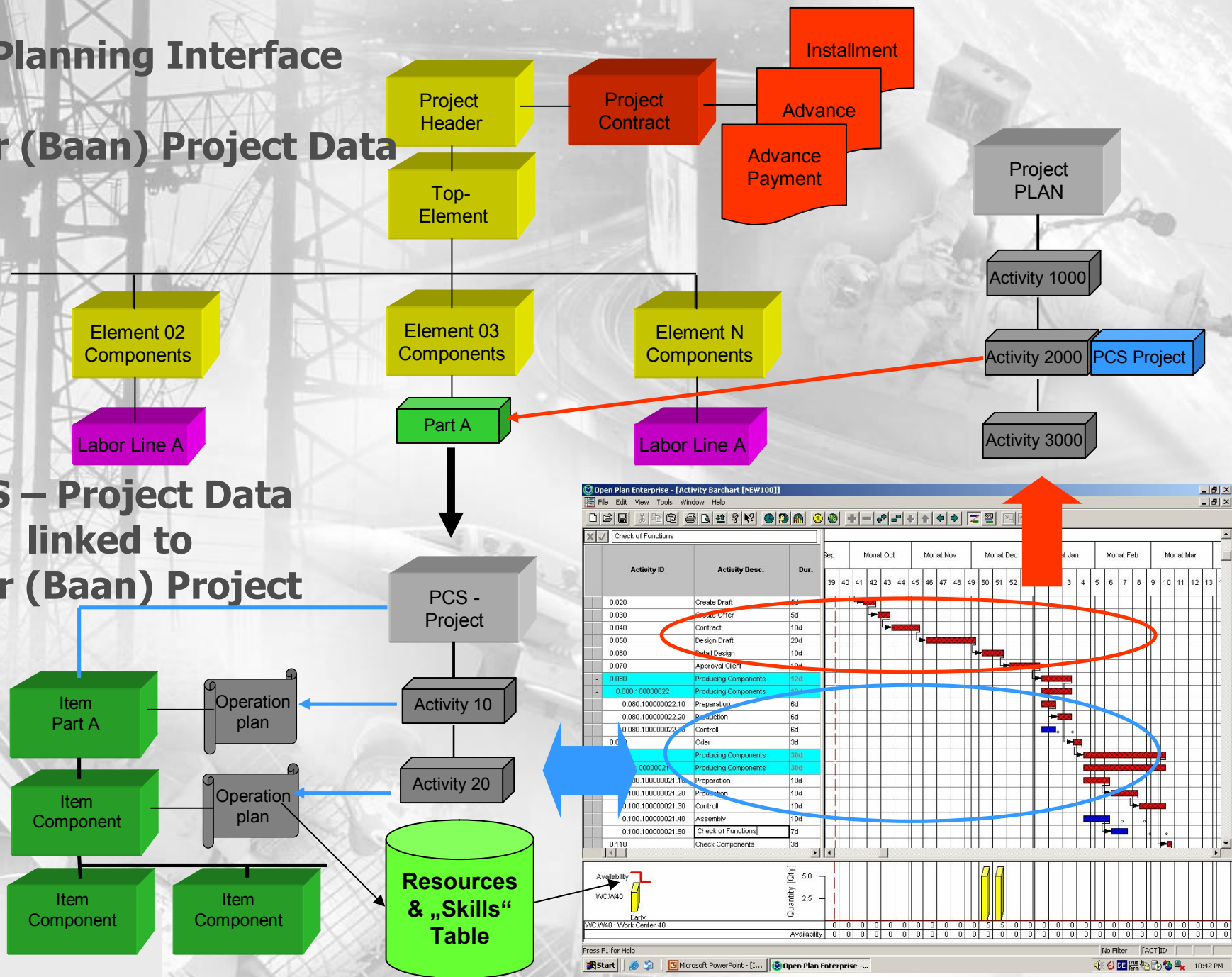
**Common
Resource
table
„Skills“**

**Infor (Baan) Project Link
with PCS Manufacturing Module
in Open Plan**

Planning Interface

Infor (Baan) Project Data

PCS – Project Data linked to Infor (Baan) Project





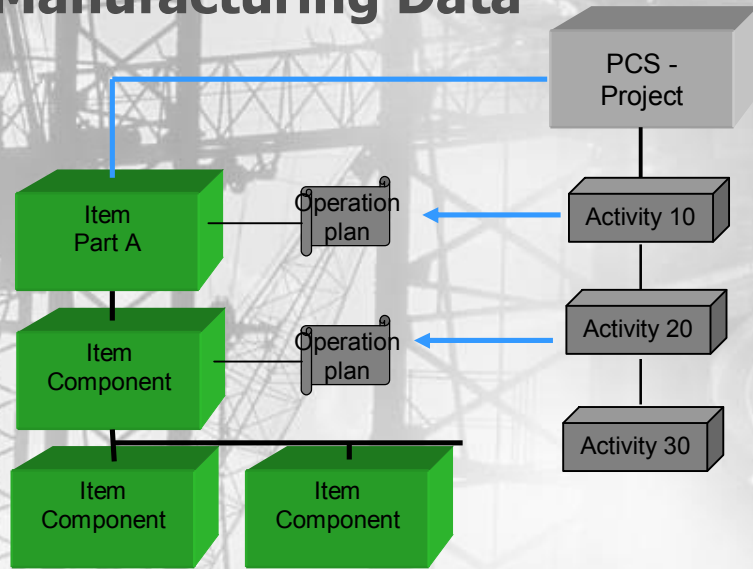
PCS Manufacturing Module

Link

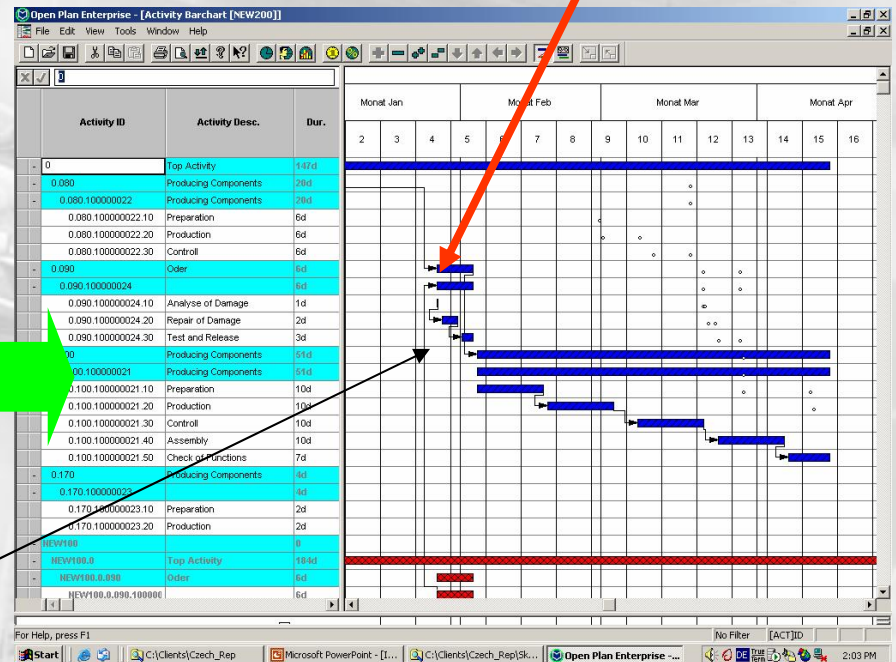
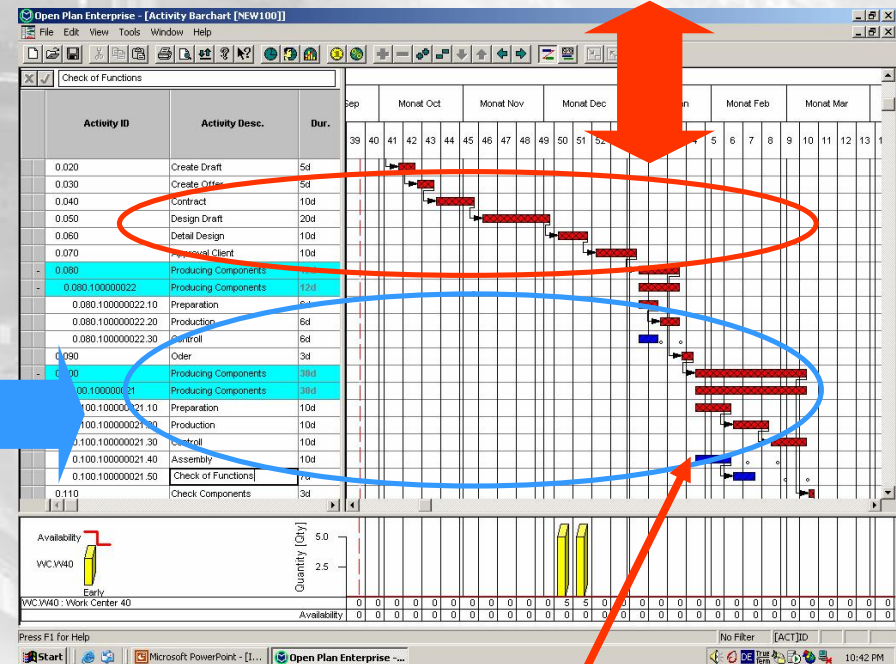
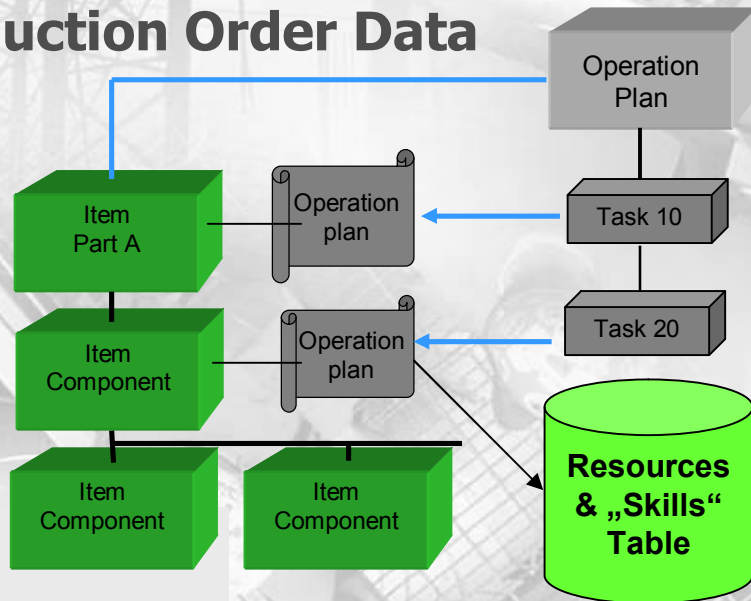
with SFC Shop Flor Module

in Open Plan

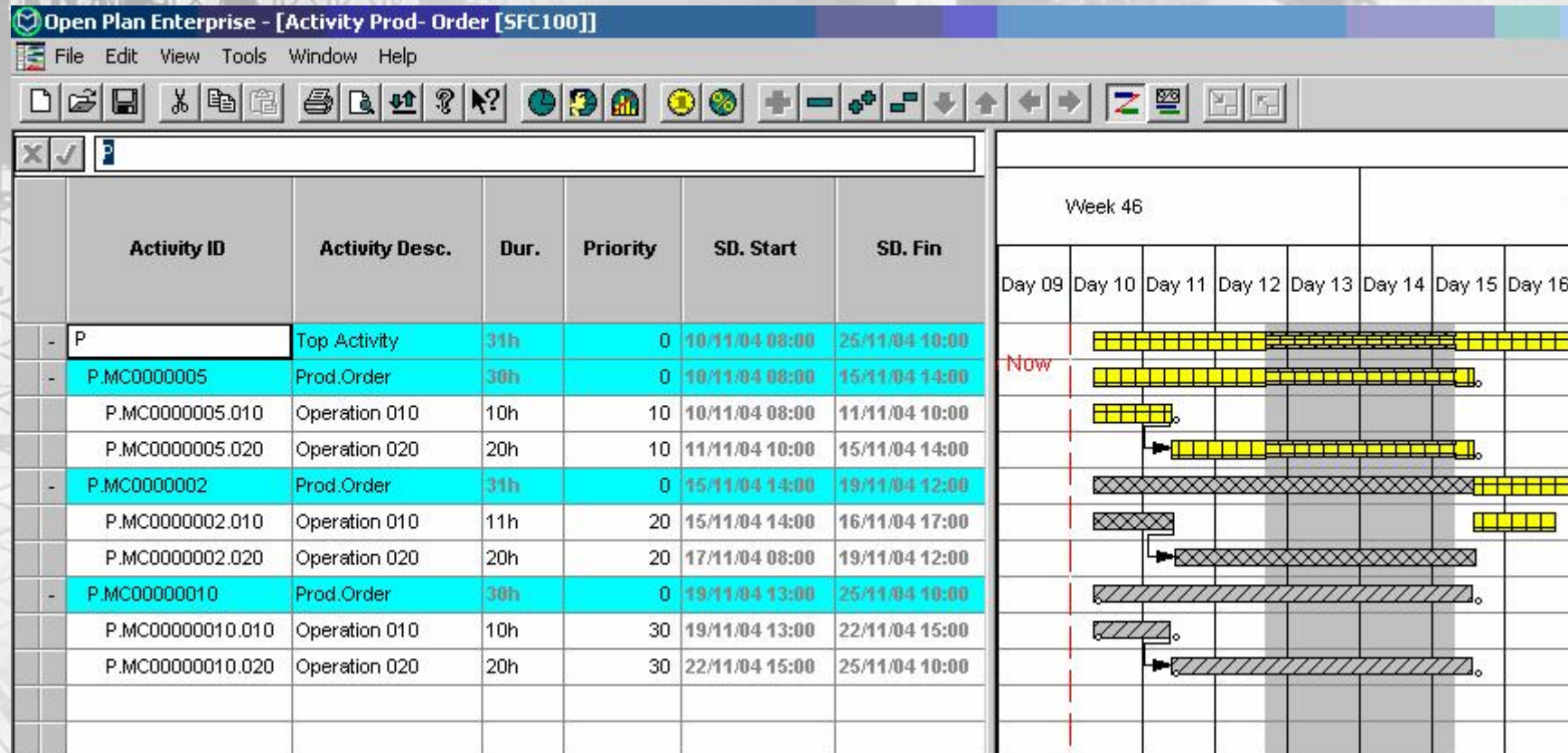
PCS Manufacturing Data



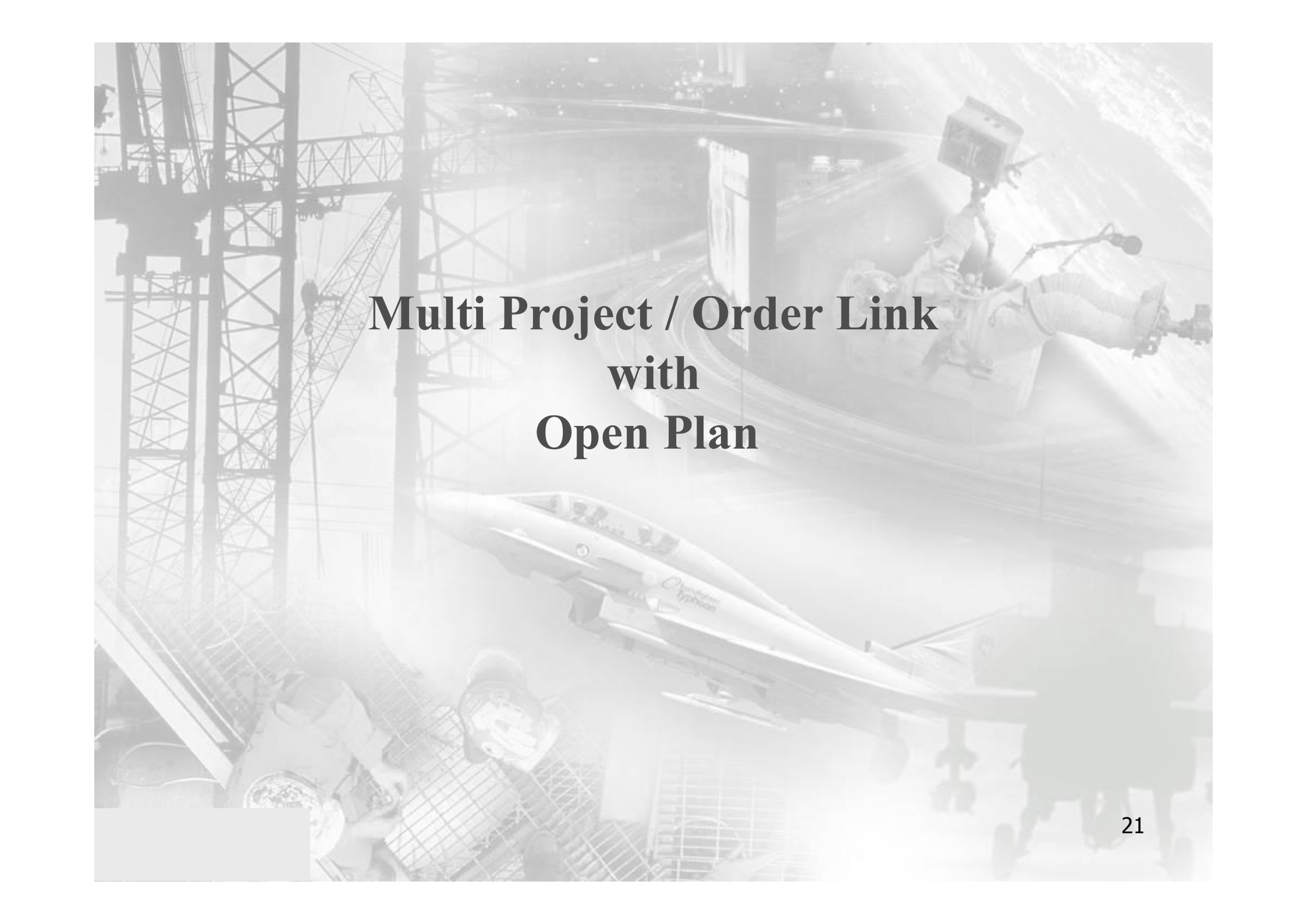
SFC - Production Order Data



SFC Production Orders: Serveral Orders in one Plan

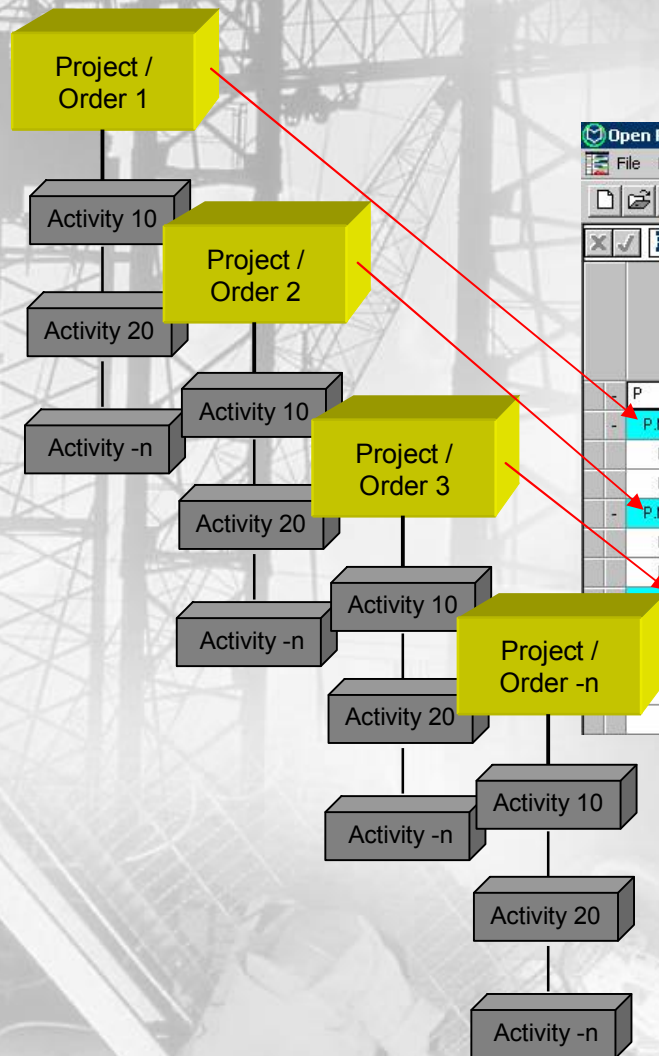


- Not just planning, but:
- Sorting
- Filtering
- Fine tuning of operations



Multi Project / Order Link with Open Plan

Project / Order – Open Plan Relation



Open Plan Enterprise - [Activity Prod- Order [SFC100]]

File Edit View Tools Window Help

Activity ID	Activity Desc.	Dur.	Priority	SD. Start	SD. Fin
P	Top Activity	31h	0	10/11/04 08:00	25/11/04 10:00
- P.MC00000005	Prod.Order	30h	0	10/11/04 08:00	15/11/04 14:00
P.MC00000005.010	Operation 010	10h	10	10/11/04 08:00	11/11/04 10:00
P.MC00000005.020	Operation 020	20h	10	11/11/04 10:00	15/11/04 14:00
- P.MC00000002	Prod.Order	31h	0	15/11/04 14:00	19/11/04 12:00
P.MC00000002.010	Operation 010	11h	20	15/11/04 14:00	16/11/04 17:00
P.MC00000002.020	Operation 020	20h	20	17/11/04 08:00	19/11/04 12:00
- P.MC00000010	Prod.Order	30h	0	19/11/04 13:00	25/11/04 10:00
P.MC00000010.010	Operation 010	10h	30	19/11/04 13:00	22/11/04 15:00
P.MC00000010.020	Operation 020	20h	30	22/11/04 15:00	25/11/04 10:00

Week 46

Day 09 Day 10 Day 11 Day 12 Day 13 Day 14 Day 15 Day 16

Now

Small Projects and Manufacturing Orders can be linked to one Central Plan!

**Purchase Orders
in Open Plan & in Infor (Baan)**

Open Plan with Purchase Orders

Open Plan Professional - [Activity Barchart (interface) [2060]]

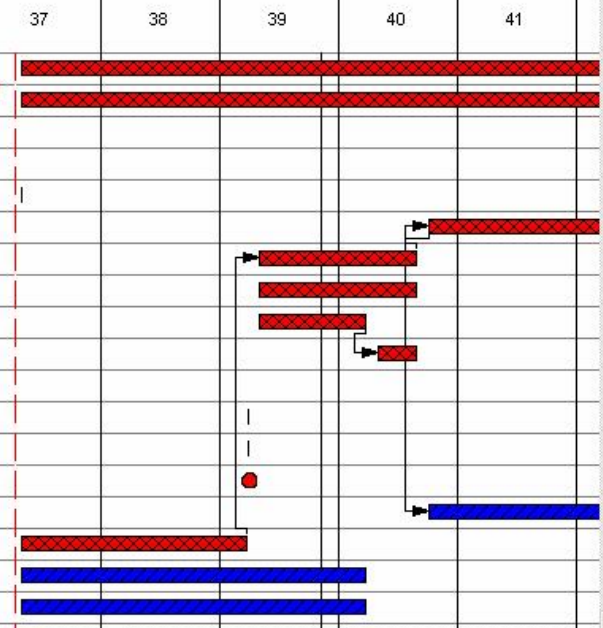
File Edit View Tools Window Help

P.O.
Lines
Table

Activity ID	Activity Desc.	Dur.	OPP Act. No	Baan Act.No.	To Baan Y/N
- 0	Top Activity	170d	0	0	
0.10010	Development	50d	010010	010010	Y
0.10020	Development Detail	100d	010020	010020	Y
0.10030	Check of Development	20d	010030	010030	Y
+ 0.10030PUR		0	010030PUR	ACT00010	
0.10040	Confirmation	10d	010040	010040	Y
- 0.10040PCS	Confirmation	8d			
- 0.10040PCS.110000014	Confirmation	8d			
0.10040PCS.110000014.10	Manufacturing Planning	5d	10	10	Y
0.10040PCS.110000014.20	Manufacturing Prep.	3d	20	20	Y
0.10050	Procurement	50d	010050	010050	Y
- 0.10050PUR		0	010050PUR	ACT00020	
- 0.10050PUR.114000135	Purchase Order	0			
0.10050PUR.114000135.1	Item: C1010	0	1	1	
0.10060	Design Work	25d	010060	010060	Y
0.10070	Manufacturing Prep.	10d	010070	010070	Y
- 0.10080	Tech. Study	15d	010080	010080	
0.10080.1010	Detail Study	15d	0100801010	ACT00030	Y

Month Sep

Month C



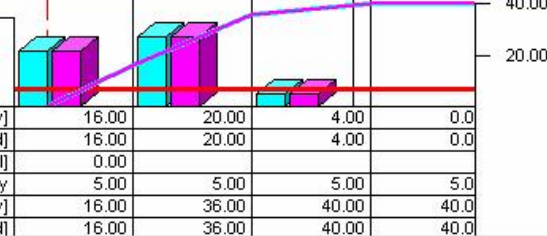
Availability

1.1020



1.1020 : Engineer 1020
1.1020 : Engineer 1020
1.1020 : Engineer 1020

25.00



1.1020 : Engineer 1020 [Cum]
1.1020 : Engineer 1020 [Cum]

[Early] 16.00 20.00 4.00 0.0
[Sched] 16.00 20.00 4.00 0.0
[Actual] 0.00 5.00 5.00 5.00
Availability 5.00 5.00 5.00 5.00
[Early] 16.00 36.00 40.00 40.0
[Sched] 16.00 36.00 40.00 40.0

Press F1 for Help

No Filter

[ACT]ID

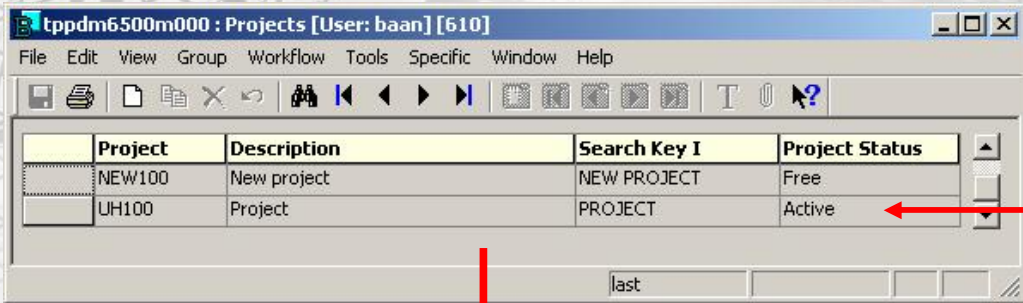
Start Option... ttdskb... BECS -... Open ... C:\OP... Micros... OPP_R... C:\Old ... Micros... DE 10:43

Copy Projects and use existing Data

Create Project in Baan

Open Plan

Same data being used!

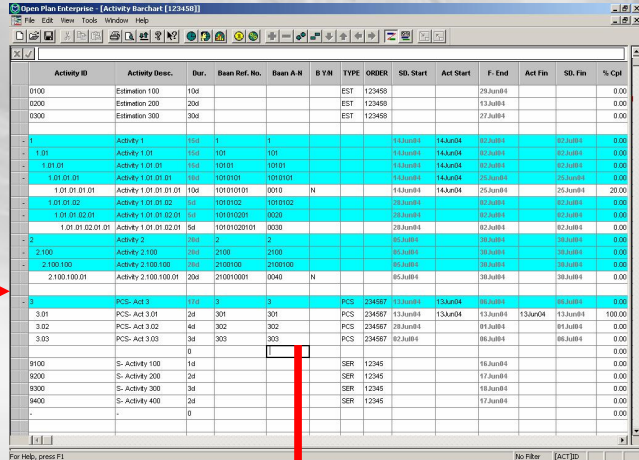


tpdpm6500m000 : Projects [User: baan] [610]

Project	Description	Search Key I	Project Status
NEW100	New project	NEW PROJECT	Free
UH100	Project	PROJECT	Active

Copy

Project: UH200



Open Plan Enterprise - [Activity Barchart [123456]]

Activity ID	Activity Desc.	Dur.	Beam Ref. No.	Beam A-N	B-Y-N	TYPE	ORDER	SL Start	Act Start	F. End	Act Fin	SL Fin	% Cpl
0100	Estimation 100	10d				EST	123456			28-Jun-04			0.00
0200	Estimation 200	20d				EST	123456			13-Jul-04			0.00
0300	Estimation 300	30d				EST	123456			27-Jul-04			0.00

Copy

Maintain & Reschedule

Plan: UH200

92

Copy Projects and use existing Data

Create Project in Baan

Open Plan

Same data being used!

tpdpm6500m000 : Projects [User: baan] [610]

Project	Description	Search Key I	Project Status
NEW100	New project	NEW PROJECT	Free
UH100	Project	PROJECT	Active

Copy

Project: UH200

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Activity ID	Activity Desc.	Dur.	Beam Ref. No.	Beam A-N	B-Y-N	TYPE	ORDER	SL Start	Act Start	F. End	Act Fin	SL Fin	% Cpl
0100	Estimation 100	10d				EST	123456			28-Jun-04			0.00
0200	Estimation 200	20d				EST	123456			13-Jul-04			0.00
0300	Estimation 300	30d				EST	123456			27-Jul-04			0.00

Copy

Maintain & Reschedule

Plan: UH200

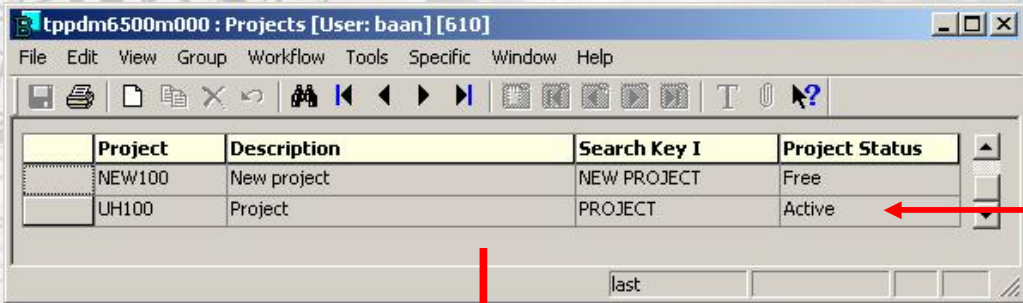
915

Copy Projects and use existing Data

Create Project in Baan

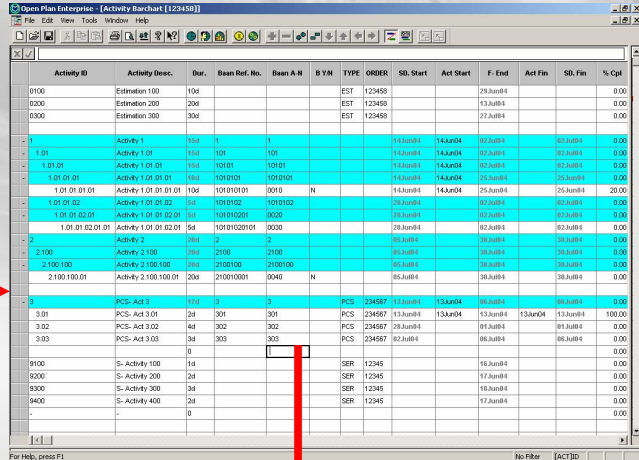
Open Plan

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Copy

Project: UH200



Copy

Maintain & Reschedule

Plan: UH200

Project: UH200

Plan: UH200

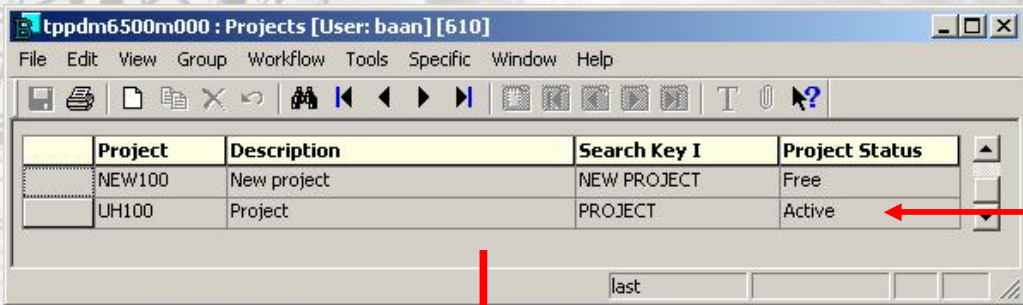
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Create Project in Baan

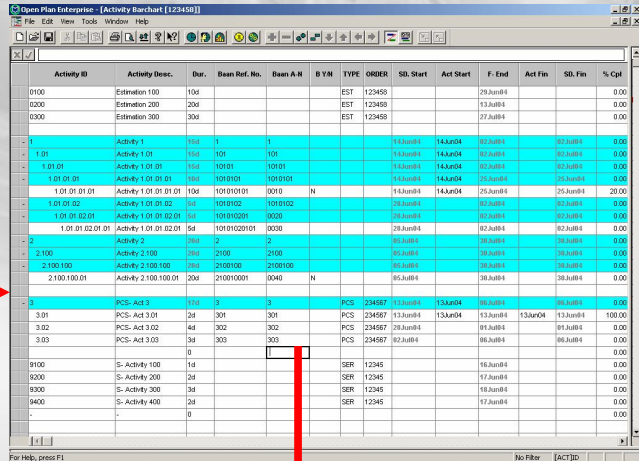
Open Plan

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Project: UH200



Copy

Maintain & Reschedule

Plan: UH200

Project: UH200

Plan: UH200

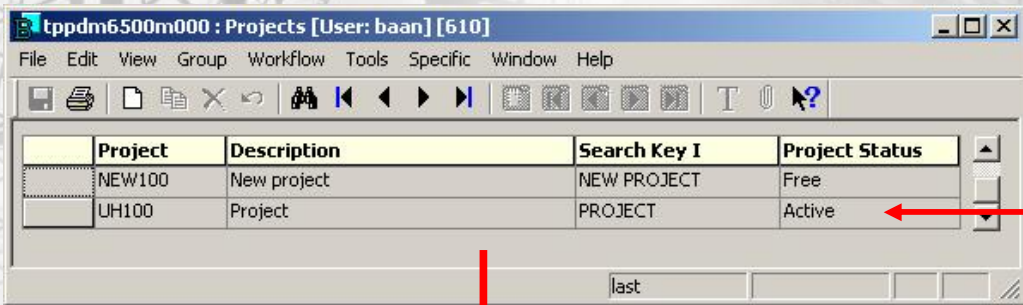
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Copy Projects and use existing Data

Create Project in Baan

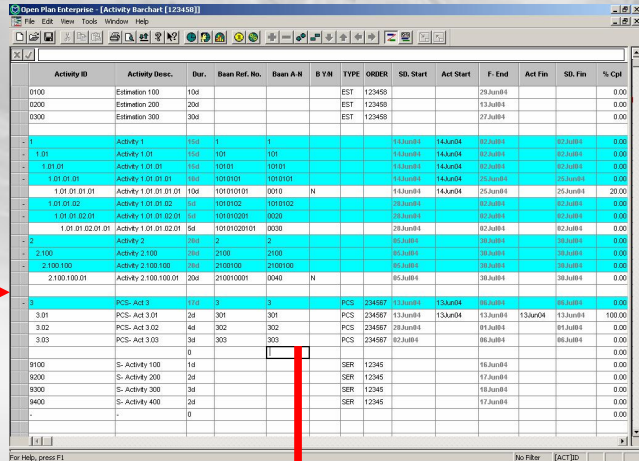
Open Plan

Same data being used!



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Project: UH200



Copy

Maintain & Reschedule

Plan: UH200

Project: UH200

Plan: UH200

25

Copy Projects and use existing Data

Create Project in Baan

Open Plan

Same data being used!

Project	Description	Search Key I	Project Status
NEW100	New project	NEW PROJECT	Free
UH100	Project	PROJECT	Active

Copy

Project: UH200

Activity ID	Activity Desc	Dur.	Bean Ref. No.	Bean A-N	B Y/N	TYPE	ORDER	SB Start	Act Start	F. End	Act Fin	SB Fin	% Cpl
0100	Estimation 100	10d				EST	123456			28-Jun-04			0.00
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Maintain & Reschedule

Plan: UH200

Project: UH200

Plan: UH200

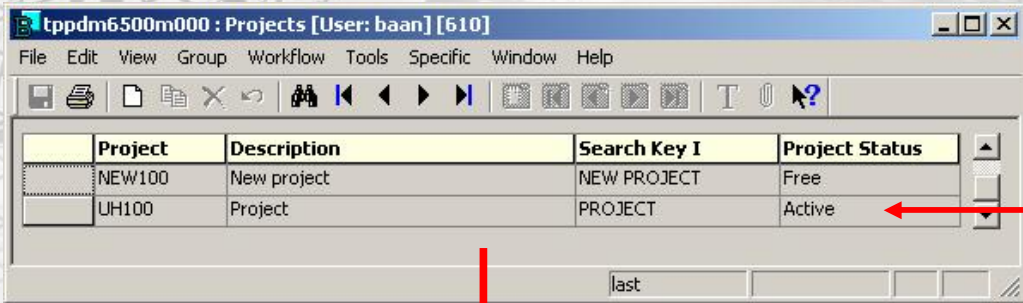
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Create Project in Baan

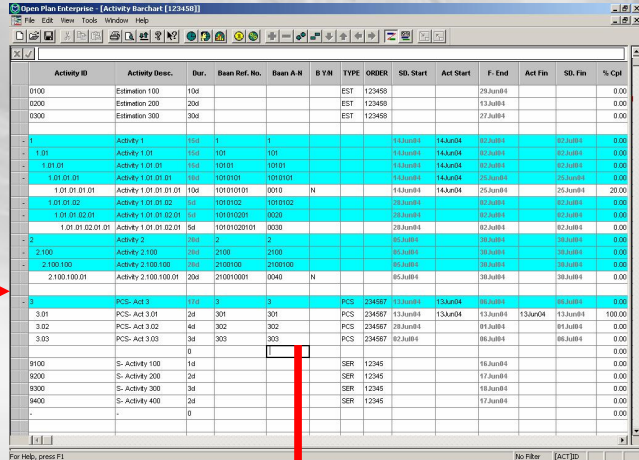
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Project: UH200



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Maintain & Reschedule

Plan: UH200

Project: UH200

Plan: UH200

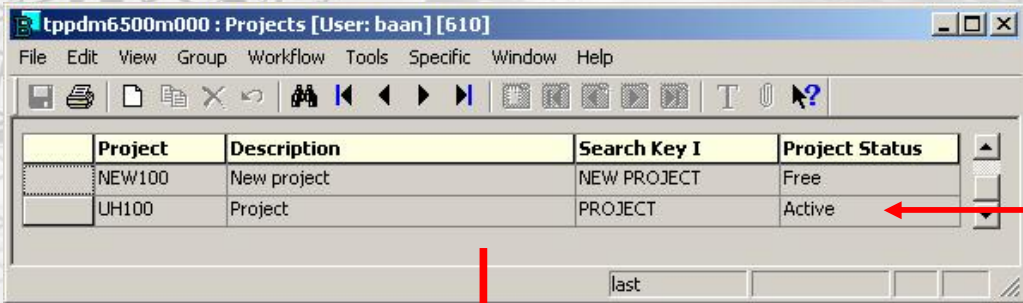
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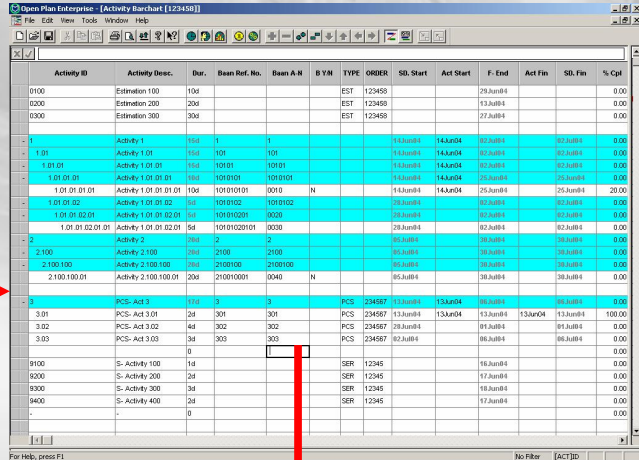
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Project: UH200



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Maintain & Reschedule

Plan: UH200

Project: UH200

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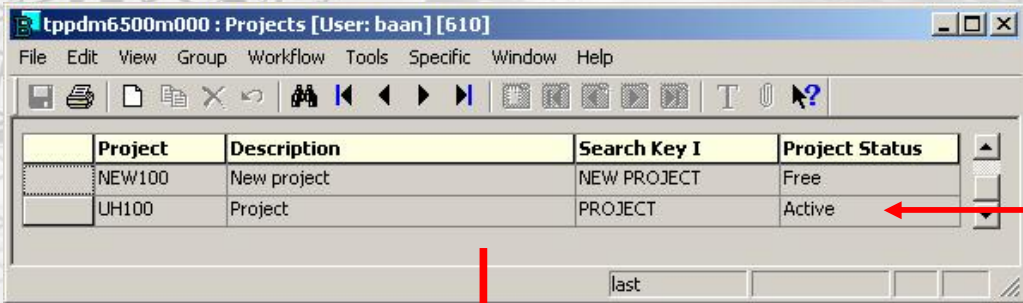
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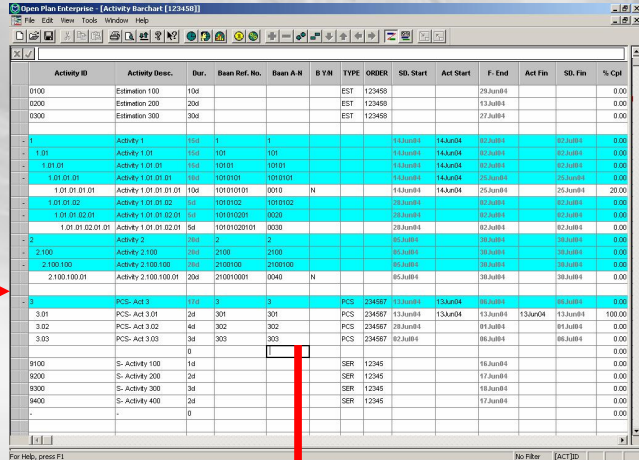
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Maintain & Reschedule

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Plan: UH200

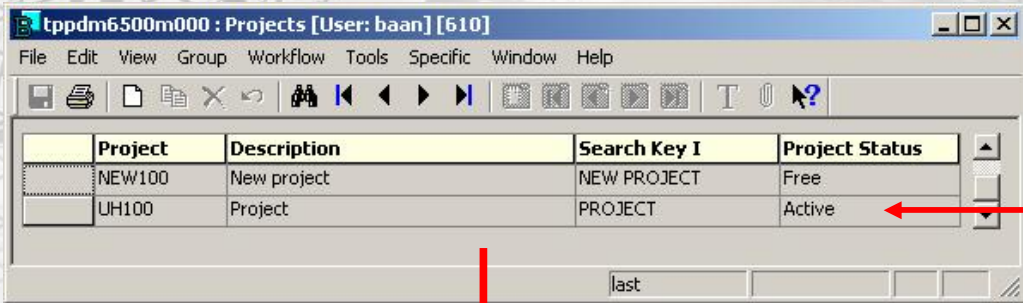
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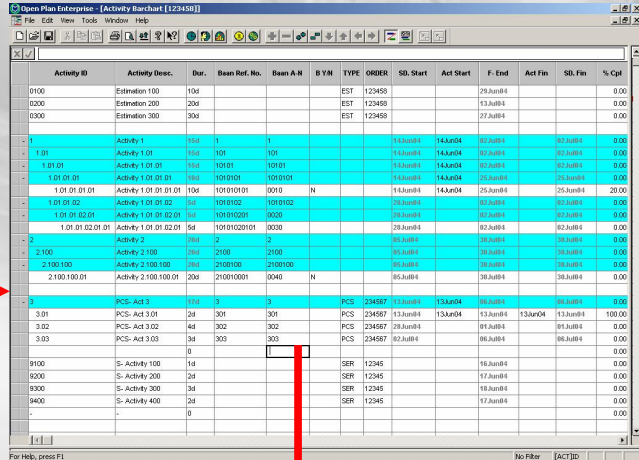
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Project: UH200



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Copy

Maintain & Reschedule

Plan: UH200

915

Clients:

Skoda Transport, Plzen, Czech Republic

ÜSTRA, Transportation Org., Hannover, Germany

ELAN Marine, Ljubljana, Slovenia

Brodo Trogir, Shipyard, Trogir, Croatia

ABB, Transformatoren, Bad Honnef, Germany

TALUM, Aluminium, Kidricevo, Slovenia



Partners:

S&T Solutions & Services, Slovenia

Partner of Infor & Deltek

(www.snt.si)

Ulrich Hofmann

PMS Consulting, Germany

Partner of S&T Solutions & Services

Partner of Deltek, Member of AACE.int.

(www.pms-c.de)

Deltek

(www.Deltek.com)