



NEXT **Safran Project** DEMO THEATRE:

New Project Group features

Lars Sandbakk | Safran Software Solutions AS

00:00

New Project Group features

Agenda

- Recap: What are Project Groups? (In PLANNER: Masterplan)
- Navigating a Safran Database with Project Groups
- Planning and Reporting with Project Groups
- Reporting Status Values in a Project Group
 - Importing from File
 - Saving Project History
- Exporting and Importing Projects from and to a Project Group

What are Project Groups?

Portfolio Management
Enterprise Management

- Project Groups are collections of individual projects under one common umbrella

Project Management Team

Activity ID	Description	Phase	Early Start	Early Finish	Duration	Planned QTY	2023						
							Jan	Mar	May	Jul	Sep	Nov	
E6 012	E6 Patterad.		03.Feb.2023	13.Nov.2023	284	1500	01	10	22	01	10	20	29
00010	Legal work	L	03.Feb.2023	22.Mar.2023	6,85 w	100							
00020	Engineering	E	23.Mar.2023	27.May.2023	9,42 w	200							
00030	Construction	C	25.Apr.2023	16.Oct.2023	25 w	1000							
00040	Prep for Traffic	T	17.Oct.2023	13.Nov.2023	4 w	200							

Activity ID	Description	Phase	Early Start	Early Finish	Duration	2023 2024 2025 2026																							
						Aug	Oct	Dec	Feb	Apr	Jun	Aug	Oct	Dec	Feb	Apr	Jun	Aug	Oct	Dec	Feb	Apr	Jun	Aug	Oct	Dec	Feb	Apr	
RV22 003	RV 22 Glommakryssing		01.Jan.2024	13.Feb.2026	775																								
00010	Legal work	L	01.Jan.2024	11.Aug.2024	32 w																								
00020	Engineering	E	25.May.2024	28.Feb.2025	40 w																								
00022	Engineering	E	26.Sep.2024	03.Feb.2025	18,71 w																								
00031	Construction	C	04.Feb.2025	20.Aug.2025	28,28 w																								
00032	Construction	C	23.Nov.2024	05.Apr.2025	19,14 w																								
00030	Construction	C	04.Jan.2025	19.Dec.2025	50 w																								
00040	Prep for Traffic	T	20.Dec.2025	13.Feb.2026	8 w																								

Activity ID	Description	Early Start	Early Finish	Duration	Phase	2023											
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Plan	Total Plan	03.Feb.2023	13.Nov.2023	284													
E39 104	E39 Rogfast	03.Feb.2023	13.Nov.2023	284													
00010	Legal work	03.Feb.2023	22.Mar.2023	6,85 w	L												
00020	Engineering	23.Mar.2023	27.May.2023	9,42 w	E												
00030	Construction	25.Apr.2023	16.Oct.2023	25 w	C												
00040	Prep for Traffic	17.Oct.2023	13.Nov.2023	4 w	T												

Demo Case: National Road Projects

Sample
data



Organizing your Projects

Opening
Grouping

Open

Projects Project Groups Find: ☐ User owned only ☒ All

Organize Projects by

Top Level Project Type

Then Region

Then

Show As Label

☐ Short ☒ Short + Description

All

- MT - Mindre tiltak
 - IL - Innlandet
 - OS - Oslo
 - VK - Viken
 - VT - Vestfold og Telemark
- VP - Veiprojekter
 - IL - Innlandet
 - VK - Viken

Project	Description	Project Type	Region	ID	Owner
E134 032	E134 Kjerdingdalen - Bøgrend	MT - Mindre tiltak	VT - Vestfold og Telemark	32 SA	
E134 033	E134 Oslofjordforbindelsen byggetrinn 2	VP - Veiprojekter	VK - Viken	33 SA	
E16 034	E16 Eggemoen - Jevnaker - Olum	VP - Veiprojekter	IL - Innlandet	34 SA	
E16 035	E16 Jaren - Skinnarbøl	MT - Mindre tiltak	IL - Innlandet	35 SA	
E18 028	E18 Askim - Mysen, fv 118 Slitu - Sekkelsten (alt. til E18) - gs-tiltak	MT - Mindre tiltak	VK - Viken	28 SA	
E18 029	E18 Etablering av trekkrør / fiber (Akershus)	MT - Mindre tiltak	VK - Viken	29 SA	
E18 030	E18 GSV Ås-Holstad	MT - Mindre tiltak	VK - Viken	30 SA	
E6 005	E6 Chaussé - Svinesund vegmiljø (Fv118)	MT - Mindre tiltak	VK - Viken	5 SA	
E6 006	E6 Eidtunnelen	MT - Mindre tiltak	VK - Viken	6 SA	
E6 007	E6 Fjering av alunskifer på Taraldrud	MT - Mindre tiltak	VK - Viken	7 SA	
E6 008	E6 Fredrikshaldske kongevei (Fv311)	MT - Mindre tiltak	VK - Viken	8 SA	
E6 009	E6 Kryssutbedring Årvoll begge retninger	MT - Mindre tiltak	VK - Viken	9 SA	
E6 010	E6 Moss, Melløs alternativ til E6 (Fv119) - sykkeltiltak	MT - Mindre tiltak	VK - Viken	10 SA	
E6 011	E6 Mosseporten (Patterød), oppgradering av holdeplasser	MT - Mindre tiltak	VK - Viken	11 SA	
E6 012	E6 Patterød, rampe fra sør, kryssutbedring	MT - Mindre tiltak	VK - Viken	12 SA	
E6 013	E6 Rehabilitering av Ryenlokket	MT - Mindre tiltak	OS - Oslo	13 SA	
E6 014	E6 Variabel infotavle Klemetsrud nord- og sørgående	MT - Mindre tiltak	OS - Oslo	14 SA	
E6 015	E6 Variable fartsgrenseskilt	MT - Mindre tiltak	VK - Viken	15 SA	
E6 016	E6 & Fv 152 GSV Stenfeldt - Greverud	MT - Mindre tiltak	VK - Viken	16 SA	
RV110 017	Rv. 110 Gangfelt nord for Skoleveien, Karlshus	MT - Mindre tiltak	VK - Viken	17 SA	
RV110 018	Rv. 110 Gangfelt ved Norveien, Karlshus	MT - Mindre tiltak	VK - Viken	18 SA	
RV110 019	Rv. 110 Ømen sør (fundamenteringssvikt - utglidning)	MT - Mindre tiltak	VK - Viken	19 SA	
RV204 020	Rv. 204 Halden, Rødsveien - Marcus Thranes gate - sykkeltiltak	MT - Mindre tiltak	VK - Viken	20 SA	
RV22 002	RV 22 Etablering av passeringslomme	MT - Mindre tiltak	VK - Viken	2 SA	
RV22 003	RV 22 Glommakryssing	VP - Veiprojekter	VK - Viken	3 SA	
RV22 021	Rv. 22 Åsen i Sarpsborg, kontrollplass	MT - Mindre tiltak	VK - Viken	21 SA	
RV22 022	Rv. 22 Kollektivfelt ved Årum bru	MT - Mindre tiltak	VK - Viken	22 SA	
RV22 023	Rv. 22 Rudskogen x E18 utbedring av problempunkter inkl. Ruds-bru (01-0121)	MT - Mindre tiltak	VK - Viken	23 SA	
RV22 024	Rv. 22 Skjønhaug nord (skred - kvikkleire)	MT - Mindre tiltak	VK - Viken	24 SA	
RV22 025	Rv. 22 Tranga (fundamenteringssvikt)	MT - Mindre tiltak	VK - Viken	25 SA	
RV22 026	Rv. 22 Undergang ved Bergenhuskrysset	MT - Mindre tiltak	VK - Viken	26 SA	
RV22 027	Rv. 22 Utbedring av sidetereng Østfold grense-Lillestrøm	MT - Mindre tiltak	VK - Viken	27 SA	

Show key values ☒

Count	Last Status Update:	Last Baseline
4 Activities		
Actuals		
Progress		
Planned: 0,0	Actual: 0,0	Indices CPI 0,00 SPI 0,00 TCPI 0,00

Open From File... Delete Project Access: Update

New
Remembers
column
setup

Projects as Group Members

Opening
Grouping

Open

Projects Project Groups Find: ☐ User owned only ☒ All

Organize Projects by

Top Level Project Type

Then Region

Then

Show As Label
☐ Short ☒ Short + Description

All
MT - Mindre tiltak
IL - Innlandet
OS - Oslo
VK - Viken
VT - Vestfold og Telemark
VP - Veiprosjekter
IL - Innlandet
VK - Viken

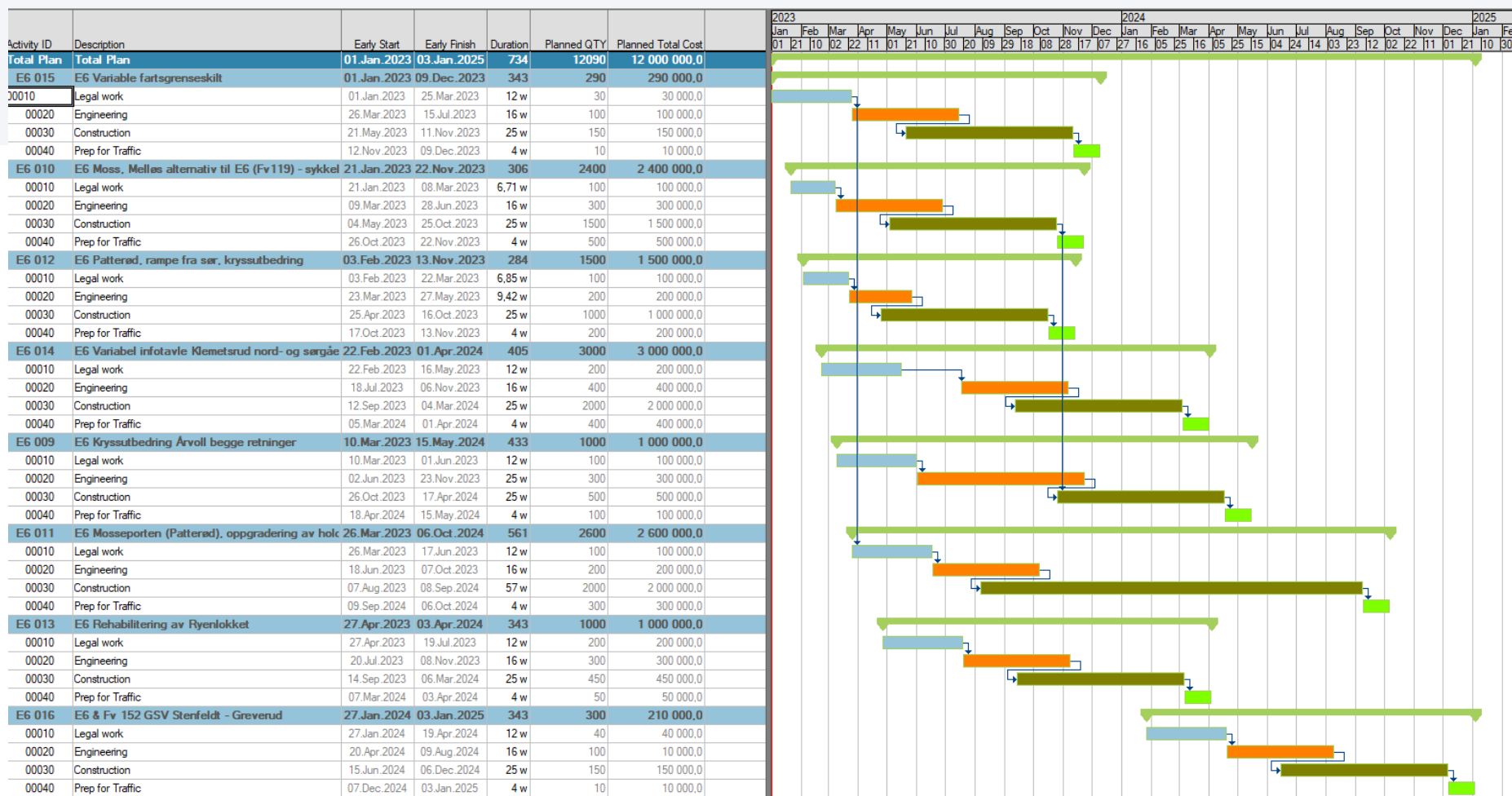
Project Group	Description	ID	Owner	Project Type	Region
00	Nasjonal Transportplan	4	SA		
R Øst	Region Viken og Oslo	36	SA		
V E18	Europavei 18	39	SA		
V E6	Europavei 6	38	SA		

Member Project	Description	Owner	Last Status Update	ID	Project Type	Region
E6 005	E6 Chaussé – Svinesund vegmiljø (Fv118)	(SA)		5	MT - Mindre tiltak	VK - Viken
E6 006	E6 Edettunnelen	(SA)		6	MT - Mindre tiltak	VK - Viken
E6 007	E6 Fleming av alunskifer på Taraldrud	(SA)		7	MT - Mindre tiltak	VK - Viken
E6 008	E6 Fredrikshaldske kongevei (Fv311)	(SA)		8	MT - Mindre tiltak	VK - Viken
E6 009	E6 Kryssutbedring Årvoll begge retninger	(SA)		9	MT - Mindre tiltak	VK - Viken
E6 010	E6 Moss, Mellos alternativ til E6 (Fv119) - sykkeltiltak	(SA)		10	MT - Mindre tiltak	VK - Viken
E6 011	E6 Mosseporten (Patterød), oppgradering av holdeplasser	(SA)		11	MT - Mindre tiltak	VK - Viken
E6 012	E6 Patterød, rampe fra sør, kryssutbedring	(SA)		12	MT - Mindre tiltak	VK - Viken
E6 013	E6 Rehabilitering av Ryenlokket	(SA)		13	MT - Mindre tiltak	OS - Oslo
E6 014	E6 Variabel infotavle Klemetsrud nord- og sørgående	(SA)		14	MT - Mindre tiltak	OS - Oslo
E6 015	E6 Variable fartsgrenseskilt	(SA)		15	MT - Mindre tiltak	VK - Viken
E6 016	E6 & Fv 152 GSV Stenfeldt - Greverud	(SA)		16	MT - Mindre tiltak	VK - Viken

Open From File... Delete Project Access: Update

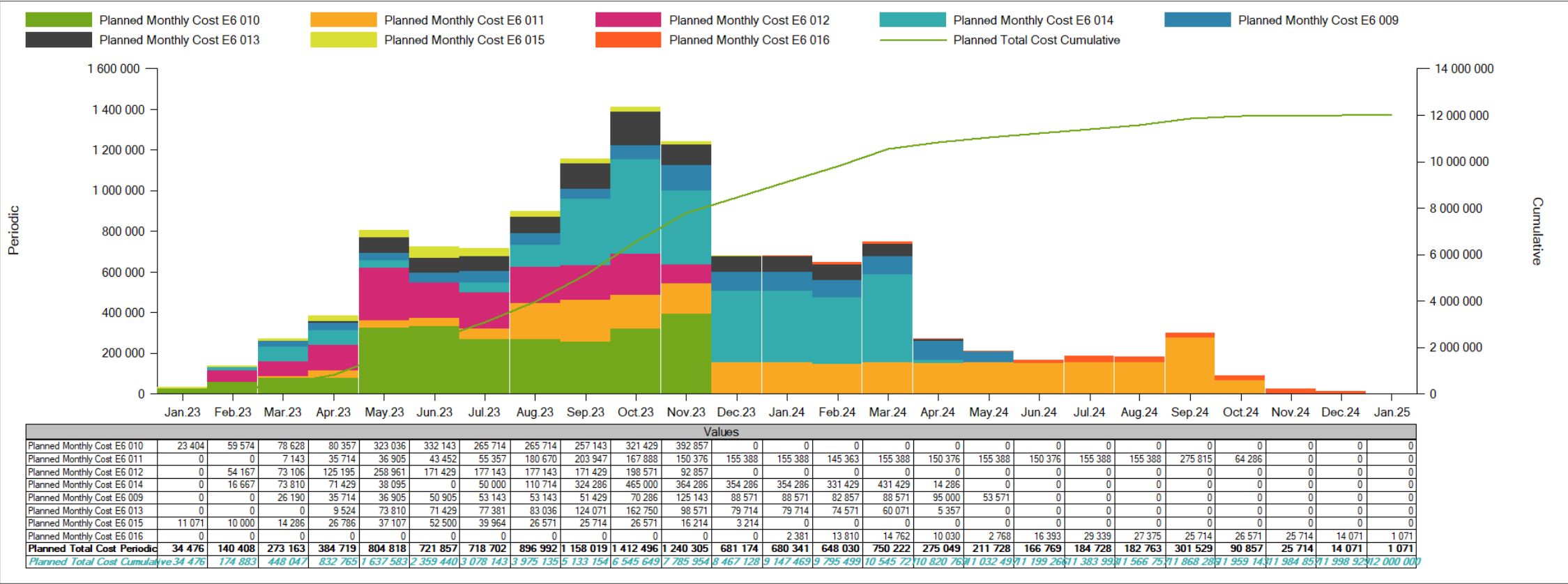
Planning in the Project Group

Scope
Schedule



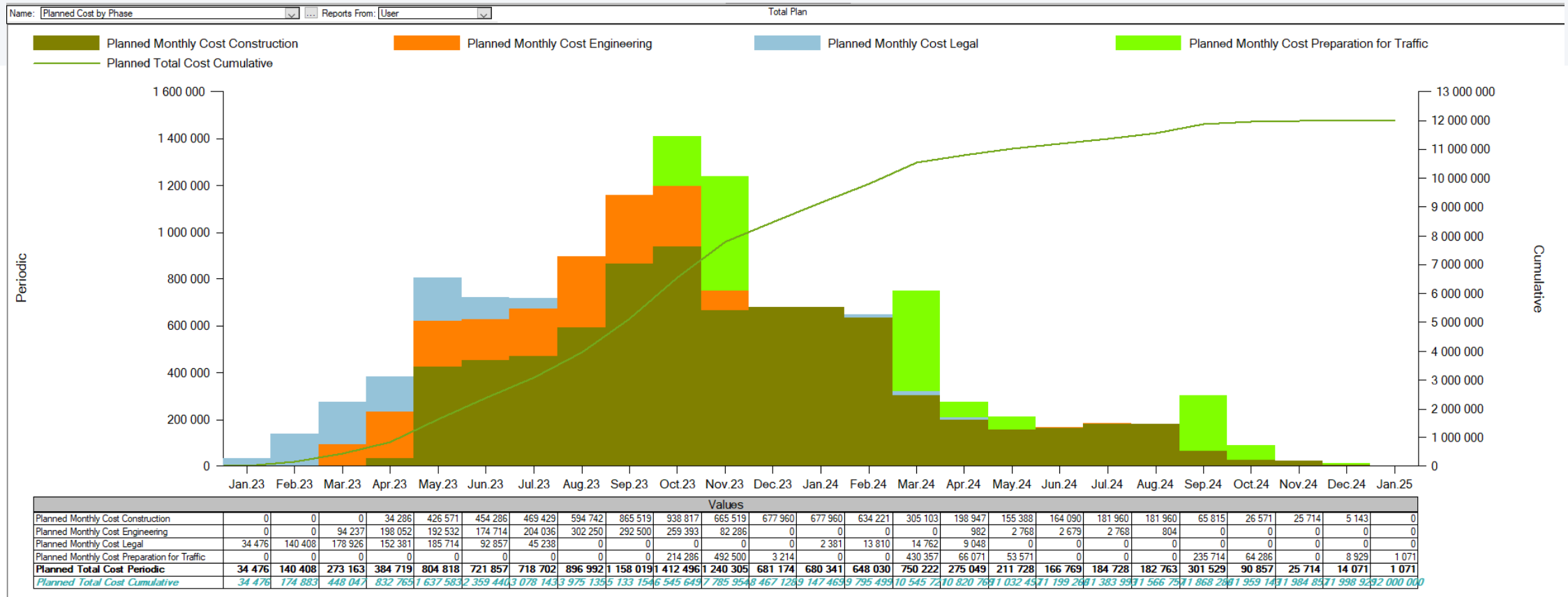
Planning in the Project Group

Scope
Schedule



Planning in the Project Group

Scope
Schedule



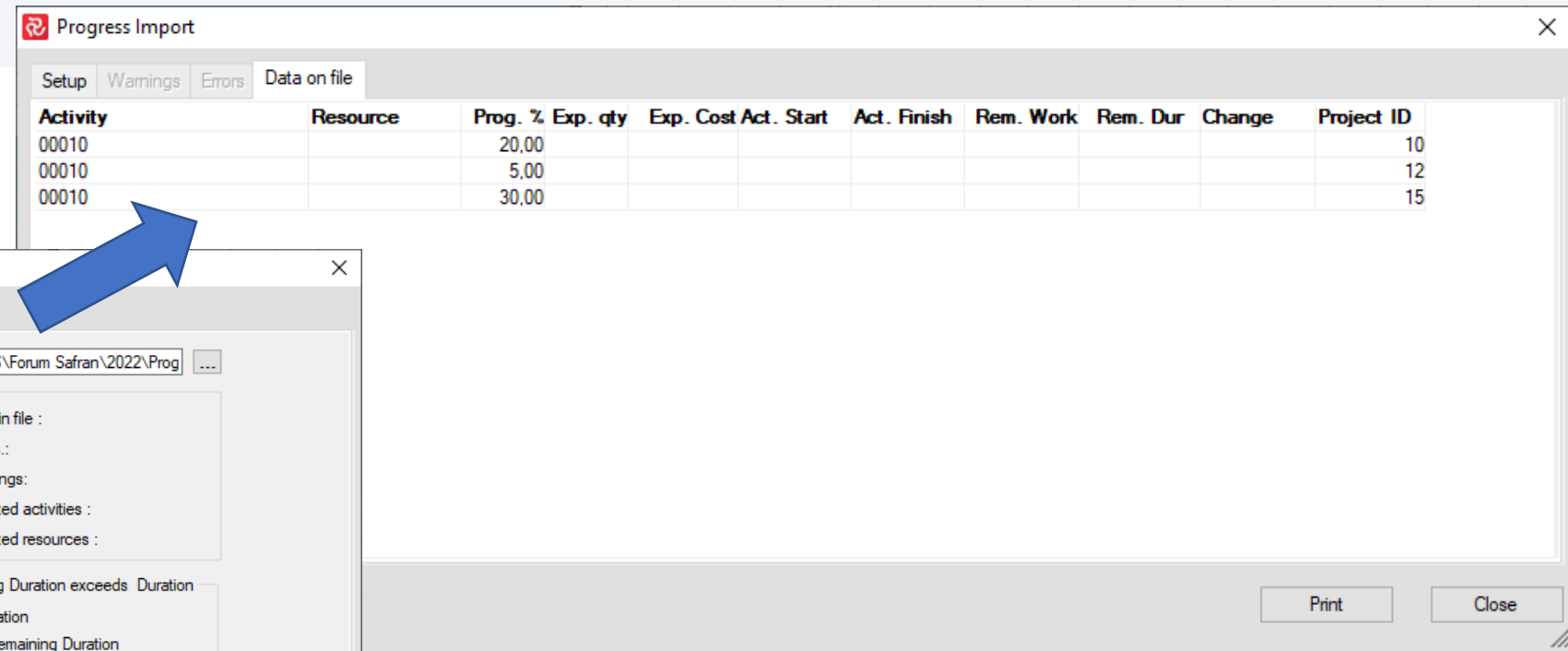
Reading Status for all Projects



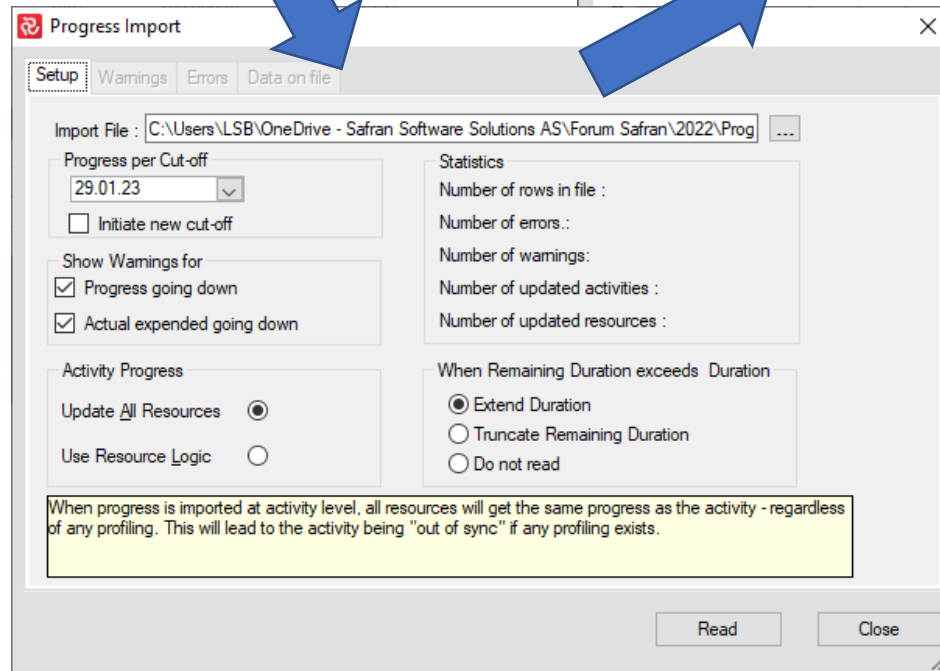
Can do all projects in one go!

Importing
progress

net_id → an → cap
15 → 00010 → 30
10 → 00010 → 20
12 → 00010 → 5



Activity	Resource	Prog. %	Exp. qty	Exp. Cost	Act. Start	Act. Finish	Rem. Work	Rem. Dur	Change	Project ID
00010		20,00								10
00010		5,00								12
00010		30,00								15



Import File : C:\Users\LSB\OneDrive - Safran Software Solutions AS\Forum Safran\2022\Prog ...

Progress per Cut-off
29.01.23
☐ Initiate new cut-off

Show Warnings for
☒ Progress going down
☒ Actual expended going down

Activity Progress
Update All Resources ☒
Use Resource Logic ☐

Statistics
Number of rows in file :
Number of errors :
Number of warnings :
Number of updated activities :
Number of updated resources :

When Remaining Duration exceeds Duration
☒ Extend Duration
☐ Truncate Remaining Duration
☐ Do not read

When progress is imported at activity level, all resources will get the same progress as the activity - regardless of any profiling. This will lead to the activity being "out of sync" if any profiling exists.

Read Close

Status Update for all Projects

New

Can do all projects in one go!

Recording the
status history

The screenshot displays the Safran software interface with the 'PROJECT' tab selected. The interface includes a ribbon with various project management tools and a Gantt chart showing project schedules. A 'Set Status' dialog box is open in the foreground, providing information about the last status update and options to run a new update.

PROJECT Tab Ribbon:

- Schedule:** Automatic Calculation, Summary, Loops, Out Of Sequence, Alternative Schedules.
- Risk:** Perform Risk, Quick Risk, Risk Warnings, Risk Juggler, Risk Health Check.
- Resource Leveling:** Active, Summary, Priority, Filter, Available Resources.
- Baseline:** Set Baseline, Partial Baseline, Annul, Baseline Log.
- Status:** Set Status, Current Schedule, Swap History, Annul, Status Log.

Table Data:

Activity ID	Description	Early Start	Duration	Early Finish	Planned Hours	Planned Total Cost
Total Plan	Total Plan	01.Jan.2023	734 d	03.Jan.2025	12090	12 000 000,0
E6 015	E6 Variable fartsgrenseskilt	01.Jan.2023	343 d	09.Dec.2023	290	290 000,0
E6 010	E6 Moss, Melløs alternativ til E6 (Fv 119) - sykkel	21.Jan.2023	306 d	22.Nov.2023	2400	2 400 000,0
E6 012	E6 Patterød, rampe fra sør, kryssutbedring	03.Feb.2023	284 d	13.Nov.2023	1500	1 500 000,0
E6 014	E6 Variabel infotavle Klemetsrud nord- og sørgåe	22.Feb.2023	405 d	01.Apr.2024	3000	3 000 000,0
E6 009	E6 Kryssutbedring Årvoll begge retninger	10.Mar.2023	433 d	15.May.2024	1000	1 000 000,0
E6 011	E6 Mosseporten (Patterød), oppgradering av holk	26.Mar.2023	561 d	06.Oct.2024	2600	2 600 000,0
E6 013	E6 Rehabilitering av Ryenlokket	27.Apr.2023	343 d	03.Apr.2024	1000	1 000 000,0
E6 016	E6 & Fv 152 GSV Stenfeldt - Greverud	27.Jan.2024	343 d	03.Jan.2025	300	210 000,0

Set Status Dialog Box:

Last status update was run for 29.01.23 and may be rerun
Last status update run by :
Last status update run at :
Progress has not been initiated.

☐ Run Status Update on

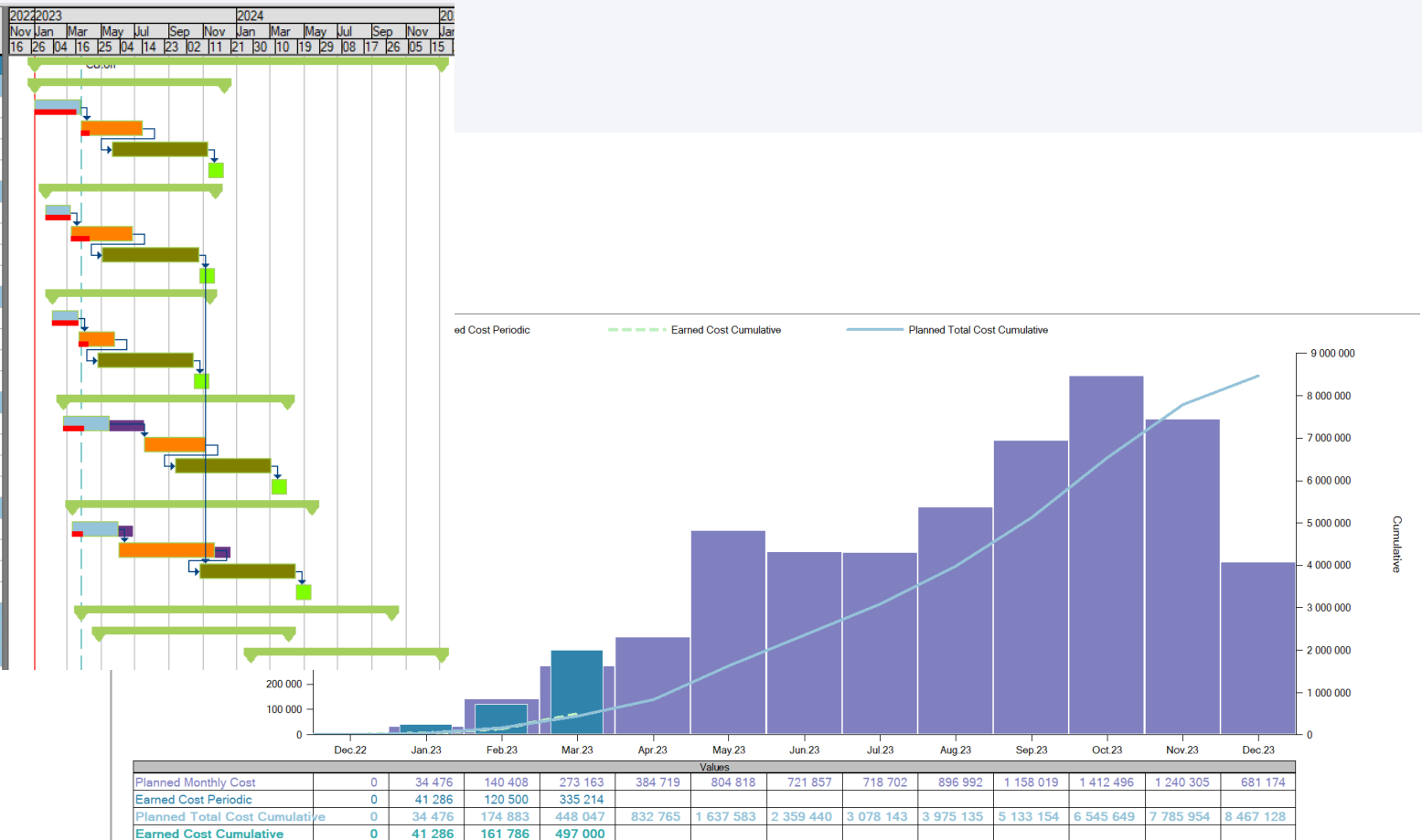
Period Start: 02.01.23 Cut-off Date: 29.01.23

OK Cancel

Progress for the whole Group

Reporting status

		2022/2023				2024													
Activity ID	Description	Early Start	Duration	Early Finish	Planned Progress	Actual Progress	Nov 23	Jan 24	Mar 24	May 24	Jul 24	Sep 24	Nov 24	Jan 25	Mar 25	May 25	Jul 25	Sep 25	Nov 25
Total Plan	Total Plan	01.Jan.2023	734 d	03.Jan.2025	3,2	4,1													
E6 015	E6 Variable fartsgrenseskilt	01.Jan.2023	343 d	09.Dec.2023	10,7	14,5													
00010	Legal work	01.Jan.2023	84 d	25.Mar.2023	100,0	90,0													
00020	Engineering	26.Mar.2023	112 d	15.Jul.2023	0,9	15,0													
00030	Construction	21.May.2023	175 d	11.Nov.2023															
00040	Prep for Traffic	12.Nov.2023	28 d	09.Dec.2023															
E6 010	E6 Moss, Melløs alternativ til E6 (Fv119) - sykkel	21.Jan.2023	306 d	22.Nov.2023	6,2	7,9													
00010	Legal work	21.Jan.2023	47 d	08.Mar.2023	100,0	100,0													
00020	Engineering	09.Mar.2023	112 d	28.Jun.2023	16,1	30,0													
00030	Construction	04.May.2023	175 d	25.Oct.2023															
00040	Prep for Traffic	26.Oct.2023	28 d	22.Nov.2023															
E6 012	E6 Patterød, rampe fra sør, kryssutbedring	03.Feb.2023	284 d	13.Nov.2023	7,5	10,0													
00010	Legal work	03.Feb.2023	48 d	22.Mar.2023	100,0	100,0													
00020	Engineering	23.Mar.2023	66 d	27.May.2023	6,1	25,0													
00030	Construction	25.Apr.2023	175 d	16.Oct.2023															
00040	Prep for Traffic	17.Oct.2023	28 d	13.Nov.2023															
E6 014	E6 Variabel infotavle Klemetsrud nord- og sørgåe	22.Feb.2023	405 d	01.Apr.2024	2,6	3,0													
00010	Legal work	22.Feb.2023	84 d	16.May.2023	39,3	45,0													
00020	Engineering	18.Jul.2023	112 d	06.Nov.2023															
00030	Construction	12.Sep.2023	175 d	04.Mar.2024															
00040	Prep for Traffic	05.Mar.2024	28 d	01.Apr.2024															
E6 009	E6 Kryssutbedring Årvoll begge retninger	10.Mar.2023	433 d	15.May.2024	2,0	2,5													
00010	Legal work	10.Mar.2023	84 d	01.Jun.2023	20,2	25,0													
00020	Engineering	02.Jun.2023	175 d	23.Nov.2023															
00030	Construction	26.Oct.2023	175 d	17.Apr.2024															
00040	Prep for Traffic	18.Apr.2024	28 d	15.May.2024															
E6 011	E6 Mosseporten (Patterød), oppgradering av holt	26.Mar.2023	561 d	06.Oct.2024	0,0	0,0													
E6 013	E6 Rehabilitering av Ryenlokket	27.Apr.2023	343 d	03.Apr.2024	0,0	0,0													
E6 016	E6 & Fv 152 GSV Stenfeldt - Greverud	27.Jan.2024	343 d	03.Jan.2025	0,0	0,0													

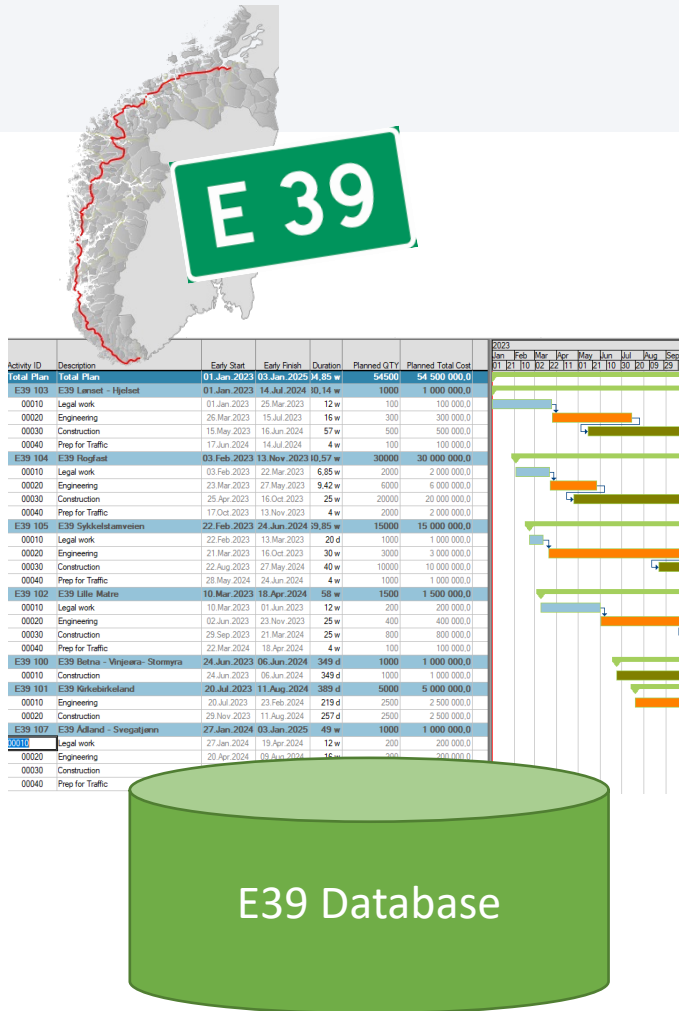


Moving a whole Project Group

New

Can do all projects in one go!

Exporting
Importing



Project Export

Export Filename
C:\Users\LSB\OneDrive - Safran Software Solutions AS\Forum Safran\2022\Export from Contractor.SPX

Export Project
V E39

☐ Projects ☒ Project Groups

Project Groups Member Projects

ID	Name	Owner
1	V E39	SAFRANSA

Data Activities: Exported

Links: ☒

Project Export

Export Filename
C:\Users\LSB\OneDrive - Safran Software Solutions AS\Forum Safran\2022\Export from Contractor.SPX

Export Project
V E39

☐ Projects ☒ Project Groups

Project Groups Member Projects

Include	ID	Name	Owner
<input type="checkbox"/>	2	E39 100	SAFRANSA
<input type="checkbox"/>	3	E39 101	SAFRANSA
<input checked="" type="checkbox"/>	4	E39 102	SAFRANSA
<input checked="" type="checkbox"/>	5	E39 103	SAFRANSA
<input checked="" type="checkbox"/>	6	E39 104	SAFRANSA
<input checked="" type="checkbox"/>	7	E39 105	SAFRANSA
<input type="checkbox"/>	8	E39 107	SAFRANSA

Data Activities: Exported

Links: ☒

Resources: ☒

Resource Avail.: ☒

Calendars: ☐

Rest Entries: ☐

Resource Definitions: ☐

Profiles: ☐

Baseline: ☐

Progress Status: ☐

Forecast: ☐

Schedule Risk: ☐

Cross Project Links: ☒

☐ Set 'Start No Earlier Than' = ES on Start Activities when using filter

☐ Hide any Qty and Cost Expenditure

< Back Export Close

SPX File

Moving a whole Project Group



Can do all projects in one go!

Exporting
Importing



Project Import

Open Filename: C:\Users\LSB\OneDrive - Safran Software Solutions AS\Forum Safran\2022\Export from Contractor.SPX

Project Group: V E39 Save As: V E39

File Content: Member Projects Data To Import

Include	Name
<input checked="" type="checkbox"/>	E39 102
<input checked="" type="checkbox"/>	E39 103
<input checked="" type="checkbox"/>	E39 104

Projects in Database

ID	Project Type	Region
4	00	SA
36	R Øst	SA
39	V E18	SA
38	V E6	SA

Commit Interval: 10000

☒ Open imported project



Open

Find:

☐ User owned only ☒ All

Organize Projects by: Top Level Project Type

Then: Region

Show As Label: ☐ Short ☒ Short + Description

Project Groups

Project Group	Description	ID	Project Type	Region	Owner
00	Nasjonal Transportplan	4			SA
R Øst	Region Viken og Oslo	36			SA
V E18	Europavei 18	39			SA
V E39	Europavei 39	40			SA
V E6	Europavei 6	38			SA

Member Project

Member Project	Description	Owner	Last Status Update	Project Type	Region	ID
E39 102	E39 Lille Matre	(SA)		MT - Mindre tiltak	VL - Vestlandet	41
E39 103	E39 Lønset - Hjelset	(SA)		VP - Veiprosjekter	MR - Møre og Romsdal	42
E39 104	E39 Rogfast	(SA)		VP - Veiprosjekter	RL - Rogaland	43

Open From File... Delete Project

Access: Update

OK Cancel



NEXT **Safran Project** DEMO THEATRE:

New Project Group features

Lars Sandbakk | Safran Software Solutions AS

05:00