CABLEMANAGER NEWS DOCUMENT VERSION 7





Overview of cables and cable ways – from design phase to service & maintenance

This document is a quick walk through the new functions in Cablemanager version 7.

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CABLE DRUMS

Version 7 of Cablemanager contains a new function – Cable Drums – which makes it possible to keep track of planned and used cable drums.

Drums have their own section in the program:ⁱ

File Co	ode tables	Functions	Reports Data Sett	tings He	lp
	Cables	Equipment	Cableways Nodes	Drums	65

The Cablemanager program keeps track of cables and cableways in projects' full life cycle:

- starting from the planning phase
- through the installation phase
- and finally in the maintenance phase

Information of Cable drums is part of

- Procurement planning
- Installation planning
- Preventive maintenance

Cable drum window

The cable drum window looks like this:

PCSCHEMATIC Cablemanager				- 0	×
e Code tables Functions Reports Data Settings					
Cables Equipment Cableways Nodes Dru	••• 🖸 🕂 🖨 🕂 🖉 🚥 🖬	ð			
earch cable drums	Cable drum data				
)rum name	Cable drum no	Description			
DRUM 🏦	DRUM1	Test drum 1			
able type	Remark				
~			000		
able name	Cable type	Status			
	3G1,5 /G 🗸 学	Open			
tatus	Cable lengths [m]	A de la de la contra de	Cable drum lengths		
✓ ○ Overloaded	Routed Tara Spare 217,87 + 58,00 + 0,00		Not pulled Max. cable drum length [m]	300,00	
ount : 2	Number of cables		Drum spare length %	0,00	
ame 🔺 Status Description	Total Pulled Not pulled				
DRUM1 Open Test drum 1	8 0 8		Actual order length [m]	300,00	
DRUM2 Open Test drum 2					
	Cables Status				
	Name 📥 Segregati Route		Description		
	-W7 M	17,30 16,00 ROU	From MDP to E1 (in A1)		
	-W8 M -W9 M	49,22 6,00 ROU 39,50 6,00 ROU	From LP1 to E2 (in A3) From LP1 to E3 (in A3)		
	-W10 M	30,20 6,00 ROU	From LP1 to E4 (in A3)		
	-W11 M	12,20 6,00 ROU	From LP1 to E5 (in A3)	· · · · · · · · · · · · · · · · · · ·	
	-W12 M	14,45 6,00 ROU	From LP2 to E6 (in A2)		
	-W13 M	22,70 6,00 ROU	From LP2 to E7 (in A2)		
	-W14 M	32,30 6,00 ROU	From LP2 to E8 (in A2)		
			Remove from drun	m Move to drum	
	Created date Created by	Updated date Updated by			
	02/09/2021 ADMIN	02/09/2021 ADMIN			
>					

At the right, you see a search window, where you can search for cable drums in the project.

At the left, you see Cable drum data, which shows information about the selected drum: Cable type, planned and used quantities, a list of cables from the drum, and finally a status for the drum.

Search for drums

You can search for drum by

- Drum name
- Cable type one or all cable types in the project
- Cable name search for drum with a specific cable
- Status drum status

You get a list of drums with the selected data.

N PC	SCHEMATIC	Cablemana	ger		
File	Code tables	Functions	Reports	Data	Settings
R	Cables	Equipment	Cableway	vs No	ides Dr
Searc	ch cable drums				
Drum	name				
DRU	М			6	18
Cable	e type				
				\sim	
Cable	name				
Statu	IS				
			\sim	Overl	paded
Coun	t:2				
Name	· •		Status	Desc	ription
DRU	M1		Open	Test	drum 1
DRU	M2		Open	Test	drum 2
1					



Cable drum data

Cable drum data									
Cable drum no			Description				1		
DRUM1		1	Test drum 1						
Remark									
Cable type			Status				1		
3G1,5 /G			Open]		
	,	<u>,</u>]		
Cable lengths [m]				Demoisies		No. 4 and 1 and		Cable drum lengths	
	Tara Spare		der length	Remaining		Not pulled	-	Max. cable drum length [m]	300,00
217,87 +	58,00 +	0,00 =	275,87	24,1	13	275,8	57		
Number of cables								Drum spare length %	0,00
	, Pulled Not pull	ed							
8	0	8						Actual order length [m]	300,00
-		-							
C.H.									
Cables Status									
News	Q	Deside al less		The last the fact	Charles .		Description		
Name 🔺	Segregati	Routed len		Tara length [m]	Status		Description	51 (- 11)	
-W7	м		17,30	16,00	ROU		From MDP to		
-W8	M		49,22	6,00	ROU		From LP1 to E		
-W9	M		39,50	6,00	ROU		From LP1 to E		
-W 10	M		30,20	6,00	ROU		From LP1 to E		
-W11	Μ		12,20	6,00	ROU		From LP1 to E		
-W12	М		14,45	6,00	ROU		From LP2 to E		
-W13	М		22,70	6,00	ROU		From LP2 to E		
-W14	М		32,30	6,00	ROU		From LP2 to E	58 (in A2)	
L									
								Remove from drum	Move to drum
Created date	Created by		Updated o		dated by				
02/09/2021	ADMIN		02/09/20	21 AL	OMIN				

For each drum, you have a window like this:

Basic data, such as name and cable type, and information about how the cable drum contents are used.

At the bottom, you get a list of the cables that use the selected drum, with their individual statuses.

Cable lengths

Cable drum lengths

The assigned cables' lengths, split into the different kinds of lengths.

Cable lengths	[m]]										
Routed	1	Tara		1	Spare			Order length	Remaining	N	lot pulled	
217,87	+	58	3,00	+	0,0	0	=	275,87	24,13	[275,87	
						_						

Number of cables using the drum

An overview of the number of assigned cables and their statuses.

Cable drum lengthsⁱⁱ

Cable drum lengths – nominal length (optionally this is defined in the cable type table) and actual length.

Cable drum lengths	
Max. cable drum length [m]	300,00
Drum spare length %	0,00
Actual order length [m]	300.00

Total Pulled

Not pulled

Cable drum status

When planning how to use the contents of the cable drums, you need to give the drums status.

Status is also part of the search criteria.



Cable status can beⁱⁱⁱ:

- Open: new cables can be assigned to the drum
- Closed: no new cables can be assigned to the drum. Same level as cable's 'routed'
- Released: released for cable pulling
- Finished: cables have been pulled

Create a new drum

You can create drums in two ways: either manually or automatically.

For either method, the cable type definition can contain a default Max cable drum length.

Cable type		×
Type 3G1,5 /B		Ok
Description		Cancel
3G1,5 BLACK		
Color		
BLACK		
Supplier		
CM		
Supplier type no	Article	
Max. cable drum length [m]	Drum spare length %	
300,00	0,	00
Cable spec		
3 X 1.5 CM1 🗸		

Create a new drum manually

Press the + in the toolbar to create a new drum:

The drum must have a Name and a Cable type. Other datafields are optional^{iv}.

You can assign any name to the drum. Cable type is selected from the list.

System System V V V Contractor Discipline System V V V Cable type Description Cable size					Cancel
Yogect Contractor Decipine System	roject	Contractor			Cancel
able type Description Cable size	roject			Custom	
Cable type Description Cable size					
			*		
		 CableTypeDescEd 		CABLESIZEED	
Cable 1 ypebesceu		CableTypeDesceu		CABLESIZEED	



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Cable drum lengths

 Max. cable drum length [m]
 300,00

 Drum spare length %
 0,00

 Actual order length [m]
 300,00

Create a new drum automatically

Cable batch actions can						-	o ×
	N Cable batch action					-	- ×
Generate drums and/or add							
applies to existing drums	Fiter Advanced fiter						Search
cables to existing drums.	Cable name	Cable type 3G1.5 /W 3G1.5 WHITE V	Segregation	V	Cable main status		Clear all
Select the cables you want to add to drums, and select the	Project System	Contractor	Discipline		Cable has at least status	Route Optimize route Unroute / Reset status Bøtch print	>
	Check all Check none Count	+ - 7				Cable list report Generate Pulled Card Sent Ten	nplate
command.	Cable Name ▲ Cable Type ✓ W15 3G1,5 /// ✓ W16 3G1,5 /// ✓ W17 3G1,5 /// ✓ W18 3G1,5 ///		Cable Type Description 3G1,5 WHITE 3G1,5 WHITE 3G1,5 WHITE 3G1,5 WHITE	Cable Status ROU ROU ROU ROU	s Segregation S S S S S	Generate wires Change cable type Change status Change system Change numerical parameter.	
Confirm	X 361,5 /W		3G1,5 WHITE 3G1,5 WHITE	ROU ROU	S M	Change nodes Remove via nodes	
Generate cable drums for - or add to existing cable drums - selected Yes No	1 new cable drum 7 cables added to	is created.	<u>эсі симпте</u> 5,	ROU	×	Change Reference installation Delete Generate/add to drums	method >
				(ОК		
The automatically created drums	Cable drum data Cable drum no	Description					
2	CABLEDRUM-3G1,5 /W-001]		
get automated names.	Remark						

cally created drums	Cable drum data Cable drum no CABLEDRUM-3G1,5 /W-001	Description		
ed names.	Remark			
	Cable type 3G1,5 /W V	Status Open		
	Cable lengths [m] Routed Tara Spare 162,20 + 32,00 + 0,00 =	Order length 194,20	Remaining 105,80	Not pulled 194,20
	Number of cables Total Pulled Not pulled 7 0 7 7			

Cable drum is part of Pull Report

Cable drum name is part of the Pull Report. In that way, you make sure that the cable is taken from the rigth drum.

PCSCHEMATIC			Init ADMIN	Date 13/09/2021 12.40.04
Cable name -W13	Description From LP2 to E7	(in A2)	Cable status PSS	Segregation code M
Cable type 3G1,5 /G	Description 3G1,5 GREY		Cable size 1x3x1,5 mm²	Cable drum DRUM 2
Cable Lengths				
Estimated 0,00 m	Routed 27,74 m	Routed + Tara 33,74 m	Pulled 0,00 m	Installed 0,00 m
		То		
From		10		
From Node M39	Tara length 1,00 m	N	ode M30	Tara length 5,00 m

3D VIEWER

The 3D viewer lets you see all data in a 3D view.

The viewer has a lot of functions, that has not been described properly in the former news documents and manuals.

The following is based on the included demofile.

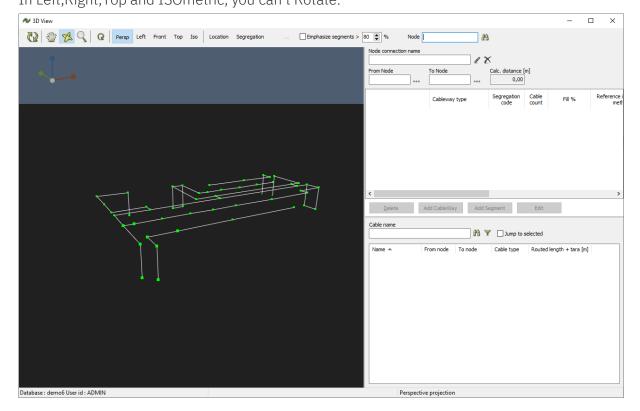
Open the 3D-viewer

When you open the viewer, you see all cableways in the system.

You can shift between Move, Rotate and Zoom. Zoom is also available directly on your mouse.



When you see it in Perspektive view, you can move it around vertically or horisontally. In Left,Right,Top and ISOmetric, you can't Rotate.



The 3D viewer can also be used for other tasks apart from the pure viewing of the structure. Below is a walkthrough of those features.



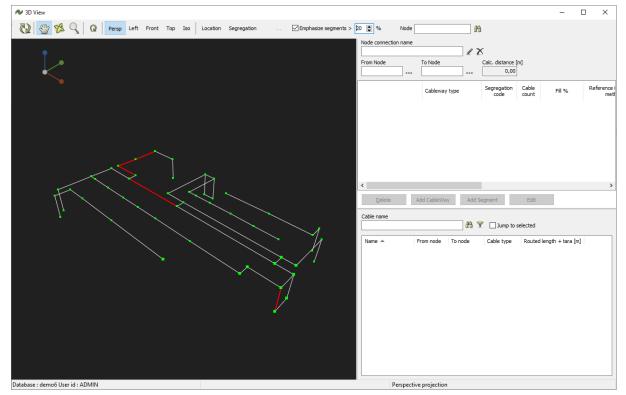
Filter functions

You can set up filters for what you see. For that you use Locations and/or Segregations for that. When you press Clear, you clear all filters.

N 3D View				- 🗆 X
🔞 🔮 % 🔍 🛛 Persp	Left Front Top Iso Location Segregation Clear	Emphasize segments > 80 😭 % No	lode 🔠	
	Select Locations All None Name Description	Node connection na	ame	
	□ A1 Room1 ☑ A2 Room2 □ A3 Room3		Cableway type Segregation code	Cable Fill % Reference count Fill %
		<		>
		<u>D</u> elete	Add CableWay Add Segment	Edit
		Cable name	🔠 🍸 🗌 Jump to s	selected
	Close	Name *	From node To node Cable type	Routed length + tara [m]
Database : demo6 User id : ADMIN		Persp	pective projection	

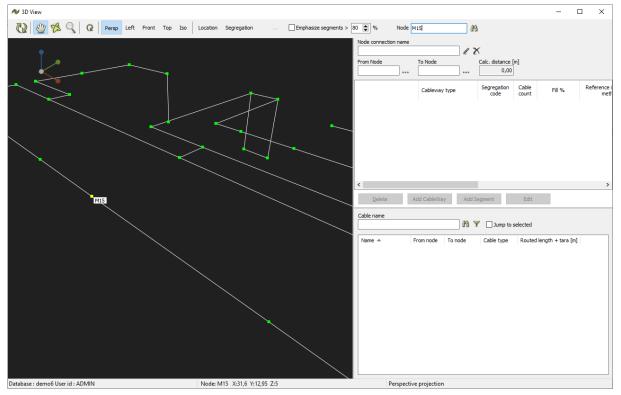
Highlight overfilled cableways

Using the Emphasize segments function, makes it easy to identify overloaded cableways,



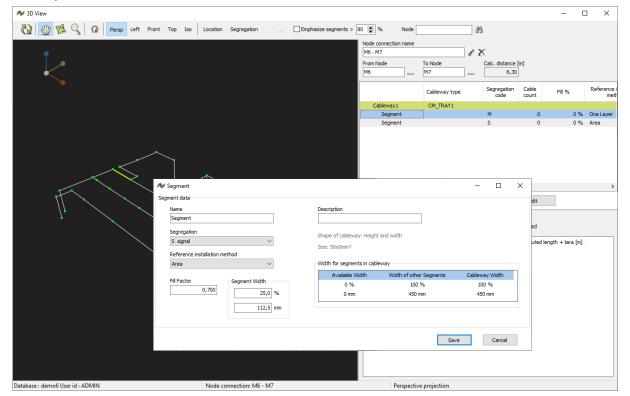
Find af specific Node

In the Node-field, you can type in a Node name. You jump to it, when you press the button.^v



Direct access to Cableway commands

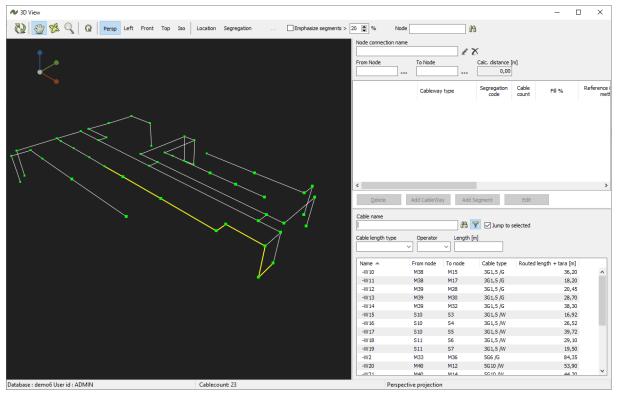
You can select a cableway directly in the 3D view. At the right side, you have access to cableways' edit functions, meaning that you can add/edit Cableways and add/edit segments directly on the screen.



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Find a specific cable on the cableways

In the Cables section, you can search for specific cables. You can select filters on lengths.



My notes	

My notes	