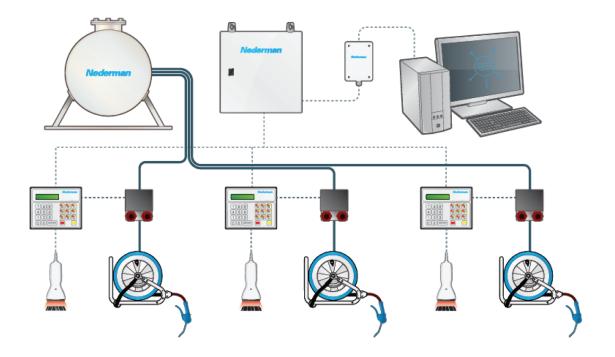


Lubrication Equipment Nederman Monitoring System Installation of NMS 3.0 software



Original installation & configuration manual

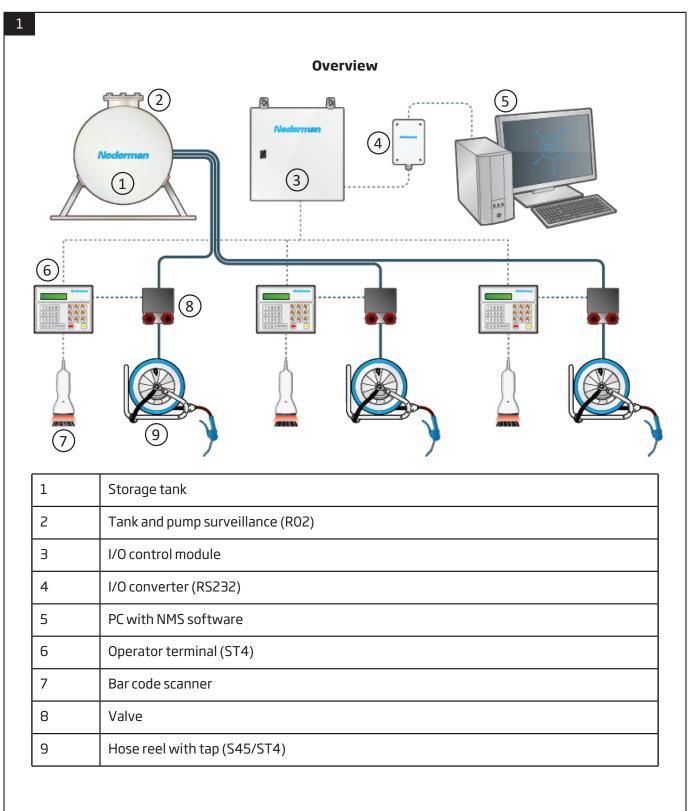
EN INSTALLATION & CONFIGURATION MANUAL

Trace back information: Workspace Main version a33 Checked in 2021-02-08 Skribenta version 5.4.004

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1 Preface

Thank you for using a Nederman product!

The Nederman Group is a world-leading supplier and developer of products and solutions for the environmental technology sector. Our innovative products will filter, clean and recycle in the most demanding of environments. Nederman's products and solutions will help you improve your productivity, reduce costs and also reduce the impact on the environment from industrial processes.

Read all product documentation and the product identification plate carefully before installation, use, and service of this product. Replace documentation immediately if lost. Nederman reserves the right, without previous notice, to modify and improve its products including documentation.

This product is designed to meet the requirements of relevant EC directives. To maintain this status, all installation, maintenance, and repair is to be done by qualified personnel using only Nederman original spare parts and accessories. Contact the nearest authorized distributor or Nederman for advice on technical service and obtaining spare parts. If there are any damaged or missing parts when the product is delivered, notify the carrier and the local Nederman representative immediately.

2 Description

The Nederman Monitoring System (NMS) is a computerised system for monitoring and registering different fluid media used in service installations such as for trucks and cars. The purpose of the system is partly to:

- Achieve smooth registration of the various liquids and quantities that are part of a specific service job, in order to easily generate documentation for debiting.
- Minimise waste that would otherwise occur in a service workshop. This is achieved by each tap having a solenoid valve and a flow sensor that is controlled from the software in the computer.

2.1 Main components in NMS-system

- Field bus converter Connected via USB to customers computer and transform field bus signal to PC
- I/O-units interface to system operating units
- Keypads user interface component
- Inline meters surveillance component for liquid flow
- Tank surveillance surveillance component for tank level
- NMS 3.0 software

3 Introduction

This manual covers the installation and configuration of the NMS software.

4 System Requirements

The PC where NMS is installed must meet at least these specifications:

- Standard PC with Windows 10 Enterprise / Professional 8 GB RAM
- One free USB-port
- Network connection
- Recommended Web browsers: Chrome, Edge and Firefox. Internet Explorer is technically outdated.

5 Installing the NMS software

- 1 Make sure you are the administrator of the PC where you install NMS.
- 2 Insert the USB memory with the NMS software in a USB port.
- 3 Use Windows File Explorer to locate the files on the USB memory.
- 4 Double click on the .msi file named 'nms' and version.
- 5 Follow the installation instructions.

🖶 NMS Setup	_		×
Welcome to the NMS Setu	p Wiza	ard	1
The Setup Wizard will install NMS on you Next to continue or Cancel to exit the	our comp Setup W	uter . Click izard.	7
Nederm	E		7
<u>Nederm</u>	E		1
Nederm	E		1
Back Next		Canc	el
歸 NMS Setup	_		×
End-User License Agreement Please read the following license agreement carefully	lá	2	<u>n</u>
END USER LICENSE AGREEMENT			^
(Click Through License)			۰.
This End-User License Agreement ("EULA") is a legal agree between you (either an individual or a legal entity) and Neo Holding AB, Swedish corporate registration number: 55657 ("Licensor" or "You") for the Licensor's Software that accor EULA, which may also include associated media, printed "online" or electronic documentation (collectively the "Softw "Software" shall also include all related documentation an	lerman 76-4205 mpanies materia vare").	s this Is, and	~
✓ I accept the terms in the License Agreement			
Print Back Next		Canc	el
體 NMS Setup	_		×
Destination Folder Click Next to install to the default folder or click Change to choose an	other.		1
Install NMS to:			
C:\Program Files\Wederman\WMS\			
Change			
Back Next		Canc	el

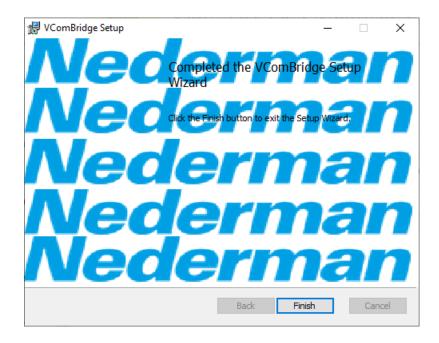
援 NMS Setup	_		×
Ready to install NMS	1	3	1
Click Install to begin the installation. Click Back to review or chang	je any of y	our	
installation settings. Click Cancel to exit the wizard.			
Back Insta	I	Cano	el
援 NMS Setup	_		×
Installing NMS	1	3	1
Please wait while the Setup Wizard installs NMS.			
Status: Copying new files			
Bade N	ext	Cano	
		Carro	
聞 NMS Setup	-		×
Completed the NMS Set	tup Wiz	ard	\mathbf{D}
Click the Finish button to exit the S	etup Wizar	d,	
Nedern	12		2
Nedern	12		7
Nodorn			
INCUCIII	12		7
	nish	Canc	el

6 TacDis, GDS or Kobra communication only: Repeat steps 4 and 5 for the .msi file named 'VComBridge' and version. Contact your IT department before performing this step. If your company does not use TacDis, GDS or Kobra, this step can be excluded.

Standard installation is preferable and this is executed via acceptation of each step in the installation procedure.

🕼 VComBridge Setup	_		×
Welcome to the VCon	Bridge :	Setup	2
The Setup Wizard will install VC Click Next to continue or Cancel			ter. rd.
<u>Nedern</u>	12		2
Nedern	na	2	2
Nedern	na		7
Back	Next	Can	cel
提 VComBridge Setup End-User License Agreement Please read the following license agreement carefully	n		×
End-User License Agreement	lit, sed do Jt enim ad ut aliquip enderit in v oteur sint o	eiusmod minim ex ea oluptate ccaecat	
End-User License Agreement Please read the following license agreement carefully Lorem ipsum dolor sit amet, consectetur adipiscing e tempor incididunt ut labore et dolore magna aliqua. U veniam, quis nostrud exercitation ullamco laboris nisi commodo consequat. Duis aute irure dolor in reprehe velit esse cillum dolore eu fugiat nulla pariatur. Excep cupidatat non proident, sunt in culpa qui officia deser	lit, sed do Jt enim ad ut aliquip enderit in v oteur sint o	eiusmod minim ex ea oluptate ccaecat	

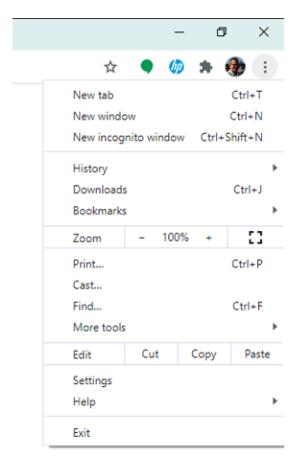
🕼 VComBridge Setup	_		×
Destination Folder Click Next to install to the default folder or click Change to choose	another.	7	1
Install VComBridge to:			
C:\Program Files (x86)\Wederman\VComBridge\			
Change			
Back	ext	Canc	el
⊮ VComBridge Setup	_		×
Ready to install VComBridge	76		1
Child Testell to be significated with the could be active as the sec			
Click Install to begin the installation. Click Back to review or change installation settings. Click Cancel to exit the wizard.	e any or yo	bur	
Back Instal		Cano	el
뤯 VComBridge Setup	_		×
Installing VComBridge	76		1
Please wait while the Setup Wizard installs VComBridge.			
Status: Starting services			
Back Ne	ext	Cano	el



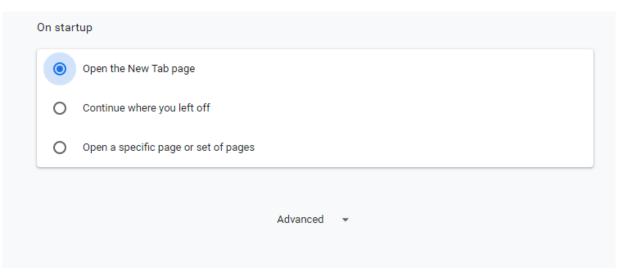
5.1 Menu language web browser

The NMS software follows the web browser language. Follow the instructions below to change the language.

Chrome



Click on **Settings**.



Scroll down and select **Advanced**.

	Advanced 🔺	
ngua	ges	
Lang Engl	uage ish	~
Spel	check	-
0	Basic spell check Enhanced spell check Uses the same spell checker that's used in Google search. Text you type in the browser is sent to Google.	

Language English	^
Order languages based on your preference	
English This language is used when translating pages This language is used to display the Google Chrome UI	÷
Swedish	:
English (United States)	:
Norwegian Bokmål	:
Danish	:
Hebrew	*
Add languages	
Offer to translate pages that aren't in a language you read	-
Spell check	-

Select the preferred language. Click on **Save** and restart the browser.

Edge

				-	٥	×
		\$ J	È	Ē		
		New tab			Ctrl+	т
		New window			Ctrl+I	N
+	Ę	New InPrivate v	vindow	Ctrl	+Shift+I	N
		Zoom	-	100%	+	2
	∑≞	Favourites				>
	3	History				>
	$\overline{\gamma}$	Downloads			Ctrl+	J
>	₽	Apps				>
	₿	Extensions				
	¢	Collections				
	ß	Print			Ctrl+	р
1	Ē	Share				
	[þ	Find on page			Ctrl+	F
1	A))	Read aloud		Ctrl	+Shift+l	J
a de la		More tools				>
é.	\$	Settings				
20	?	Help and feedb	ack			>
		Close Microsoft	Edge			

Click on **Settings**.

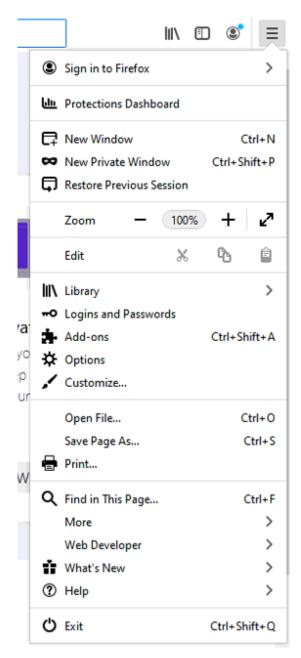
	ings/profiles
Settings	Your profile
R Profiles	Profile 1 Sign in to sync you
Privacy and services	
Appearance	⊖ Sync
() On start-up	
🔤 New tab page	୍ଦ୍ତି Passwords
😨 Site permissions	Payment info
Default browser	Addresses and more
\downarrow Downloads	다. Import browser data
දුදි Family safety	
🛱 Languages	
믑 Printers	
므 System	
() Reset settings	
Phone and other devices	
About Microsoft Edge	

Select Languages.

🐯 Settings 🗙 +		
\leftarrow \rightarrow \circlearrowright \textcircled{O} Edge edge://setting	gs/languages	
Settings	Languages	
✓ Search settings	Preferred languages	Add languages
A Profiles	Websites will appear in the first language in the list that they support. To re-order your preferences, offer translations and see Microsoft Edge displayed in a language, select More actions next to a language.	
Privacy and services	English (United Kingdom)	
Appearance	English	
(^b) On start-up		
New tab page	English (United States)	
📴 Site permissions	Offer to translate pages that aren't in a language I read	
Default browser		
\downarrow Downloads	Check spelling	
段 Family safety	Enable spellcheck	
🗣 Languages	English (United Kingdom)	
🛱 Printers	English (United Kingdom)	
므 System		
C Reset settings	English	
Phone and other devices	English (United States)	
About Microsoft Edge	Add or delete words	>

Select the preferred language. Click on **Save** and restart the browser.

Firefox



Click on **Options**.

						₽ Find	in Options	
General	Language Fonts and C	e and Appearan	ice					
Q Search	Default font	Default (Times Nev	v Roman)	~	<u>S</u> ize	16 🗸	Ac	dvanced
Privacy & Security							<u>(</u>	<u>C</u> olors
Sync								
	Zoom							
	Default <u>z</u> oom							
	Zoom <u>t</u> ex	kt only						
	Language							
	5 5	inguages used to disp	play menus, m	essages, a	nd noti	fications	from Firefo	х.
	English (Uni	ited States)	~	Set A <u>l</u> ter	natives.			
	Choose your i	preferred language for	or displaying r	hades			C	h <u>o</u> ose
		operating system set			en)" to	format d		
	Use your measurer	operating system set	ttings for "Eng		en)" to	format d		
	Use your measurer	operating system set ments.	ttings for "Eng		en)" to	format d		
	Use your measurer	operating system set ments.	ttings for "Engl		en)" to	format d		
	Use your measurer	operating system set nents. ur spelling as you <u>t</u> yp	ttings for "Engl		en)" to	format d		numbers, an
Firefox will display the t	Use your measurer Check you Firm	operating system set nents. ur spelling as you typ efox Language S	itings for "Engi ve Settings	lish (Swed		_	ates, times,	numbers, an
in the order they appea	Use your measurer Check you Fira first language a ar.	operating system set nents. ur spelling as you typ efox Language S	itings for "Engi ve Settings	lish (Swed		_	ates, times, s if neces	numbers, an × sary
in the order they appea English (United State	Use your measurer Check you Fira first language a ar.	operating system set nents. ur spelling as you typ efox Language S	itings for "Engi ve Settings	lish (Swed		_	ates, times,	numbers, an × sary
in the order they appea	Use your measurer Check you Fira first language a ar.	operating system set nents. ur spelling as you typ efox Language S	itings for "Engi ve Settings	lish (Swed		_	ates, times, s if neces	numbers, an × sary _p
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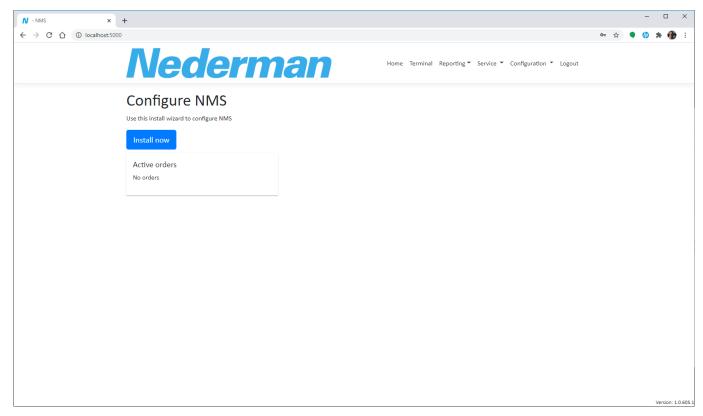
Select the preferred language, save and restart the browser.

6 Configuration Login

N - NMS × +			- C	×
\leftrightarrow \rightarrow C \triangle (i) localhost:5000/login		o , ¢	• 🧄 🛪	🀠 :
Neder	man	Terminal Login		
Login Pin code * admin Passeord *				
	Login			
				ion: 1.0.605.1

- 1 Type in '*localhost:5000*' in the address field of your web browser and click on **Enter**.
- 2 Click on Login. Enter your user name and password and click on Login. The default user name is 'Admin' and the default password is 'abc123'. Note that the password should be changed after the installation is performed.

7 Configuring the NMS software



7.1 Project details

N - NMS × +				- 🗆 ×
← → C ☆ ③ localhost:5000/install/wizard				🖈 🖣 🧳 🗯 🤀 E
Ned	erman		Terminal Login	Î
 Project details 				
	Project Details			
	Project name Nederman test			
	Company			
	Nederman Nordic			
	Address Sydhamnsgatan 2			
	City			
	Helsingborg			
	State Skåne	Zip code 25228		
	^{Country} Sweden			
	Contact Details			
	Contact name Per Andersson			
	Contact phone number			
	042188700			
	Contact email per.andersson@nederman.com			
	IT Support Contact			Version: 1.0.605.1 🔻
				- 🗆 ×
N - NMS × ← → C ① Iocalhost:5000/install/wizard				☆ ♥ Ø ≯ @ :
	Skåne	25228		н ч и н цу :
	Country			
	Sweden			
	Contact Details			
	Contact name Per Andersson			
	Contact phone number			
	042188700 Contact email			
	per.andersson@nederman.com			
	IT Support Contact			
	Contact name Per Andersson			
	Contact phone number			
	042188700 Contact email			
	Contact email per.andersson@nederman.com			
	Update project details			
Back Next				
 Migrate old data 				
3 ERPs				
3 ERPs				Version: 1.0.605.1 🔻

Start by describing the project and the contact details.

- 1 Enter the project and contact details.
- 2 Click on **Update project details**.
- 3 Click on **Next** when done.

7.2 Migrate old data

Only valid for updating old NMS Software Saferecord. Not used during a new installation.

2 Migrate old data
Migrate SafeRecord 2 data SQL Server connection string uid=oil;pwd=Nederman042;
Back Next
SafeRecord Database Tool v.2.1.15 - 🗆 🗙
Current connect string:
uid=oil;pwd=Nederman042;SERVER=NMS\SQLEXPRESS;DRIVER={SQL Server Native Client 11.0};DSN=
Connection Create DB Manage DB Registry Logging
Connection Create DB Manage DB Registry Logging
Server: NMS\SQLEXPRESS
Driver: {SQL Server Native Client 11.0} (MSSQL Express 2012)
User: oil Pwd: Nederman042
Database connect string: uid=oil;pwd=Nederman042;SERVER=NMS\SQLEXPRESS;DRIVER={SQL Server N
Reload saved settings Test connection Save connect strings
Result
Clear

Normal connection string: *uid=sa;pwd=wat;SERVER=localhost\SQLEXPRESS;Database=SafeRecord* Information about uid, pwd and SERVER can be found in the old database tool.

		-	
orman	Monitor	ing Sv	stom
			31.EIII

2 Migrate old data	
	Migrate SafeRecord 2 data
	SQL Server connection string
	uid=oil;pwd=Nederman042;
	Import
Back Next	

Click on **Import**.

The import is finished.

3	ERPs								
	ERP Co	onnectio	ns						
						Load migrat	Discriminator	Cancel	Save
	Name	Туре	Start of range	End of range	Use Job No	Use verify	Send receipts Fetch articles		
				+					
	Back	ext							

Click on Load migrated.

3 ERPs									
ERP	Connect	ions							
					Load mig	rated Di	scriminator	Cancel	Save
Name	Туре	Start of range	End of range	Use Job No	Use verify	Send receipts	Fetch articles		
GDS	GDS	▼ 0	0		V	~			Î
				+					
	Next								
heck the	e settings.								
					Load mig	rated Di	scriminator	Cancel	Save
Name	Туре	Start of range	End of range	Use Job No	Use verify	Send receipts	Fetch articles		
GDS	GDS	v 1	100000000		\checkmark	 Image: A second s			
			+						

Add range or change **Discriminator** to length or prefix. Click on **Save**.

3	ERPs									
	ERP Co	nnectio	ns							
							Loa	d migrated		Edit
	Name	Туре	Start of range	End of range	Use Job No	Use verify	Send receipts	Fetch articles		
	GDS	GDS	1	100000000	×	~	~	×	٠	
				+						
	Back Nex	t								

Click on the **Settings** symbol.

ERP Details
GDS
GDS
Host GDSOIL
Initiator INIT10
Sender tag INIT10
Partner name
Dealer
Branch
Use operation
Save Cancel Load migrated

ERP Details

SDS		
GDS		
Host		
GDSOIL		
Initiator		
INIT10		
Sender tag		
INIT10		
Partner name		
TH0433SE		

Dealer			
000354			
Branch			
24			
🗌 Use op	eration		
Save	Cancel	Load migrated	

Click on **Load migrated** and check the settings.

ERPs									
ERP Co	onnectio	ns				_			
							ad migrated		Edit
Name	Туре	Start of range	End of range	Use Job No	Use verify	Send receipts	Fetch articles		
GDS	GDS	1	100000000	×	~	~	×	٠	
			+						
Back	ext								

Execute by clicking **Next**.

Tar	nks				EDD :	ntegrations
Con	sumption				ERPT	ntegrations
	Ø	Ø	8	Ø	Ø	
	1	2	3	4	5	
	VDS-4.5	Super Gear	75w-90	VDS 5	Hindemith	
	Ø	8	Ø			
	7 Green coolant	8 yellow coolant	6 hydraulic oil	+		
Was	ite					
	+					
Back	Next					

Check each tank and then click **Next**.

5 SIOX Config			
	SIOX-configurat	ion	
	COM Port	Baudrate	
		9600	*
	COM3 (SIOX detected)		
Back Next			

Select recognised COM-port. Click **Save** and then **Next**.

6	SIOX Units						
	SIOX Ur	nits					
					Load migrated	Scan	Edit
	Туре	Model	Address	Ports			
			+				
	Back Next						

Click on **Load migrated**.

6 SIOX Units

SIOX Units

					Load migrated	Scan	Cancel	Save
Туре	Model		Address	Ports				
Term	ST4-T	•	1	0		~	Ť	
Term	ST4-T	v	2	0		~	•	
Term	ST4-T	•	3	0		~	•	
Term	ST4-T	*	4	0		~		
Term	ST4-T	v	5	0		~	•	
Unknown		•	21	0		~	T	
Unknown		•	22	0		~		
Unknown		•	23	0		~		
			+					

6 SIOX Units

					Load migrated	Scan	Cancel	Sav
Туре	Model		Address	Ports				
Term	ST3	*	1	0		~	Ŧ	
Term	ST3	•	2	0		~	Ŧ	
Term	ST3	-	3	0		~	Ŧ	
Term	ST3	-	4	0		~	Ŧ	
Term	ST3	*	5	0		~	Ŧ	
Unknown	S45	*	21	0		~	Ŧ	
Unknown	S45	-	22	0		~		
Unknown	S45	•	23	0		~	Ŧ	
			+					

Select right I/O-model. Click **Save** and then **Next**.

7 Taps							
Taps							
					Load migrated	Auto assign	Edit
Tap Id	Tank	I/O Unit	Port	Timeout (s)	Pulses after close	Pulses per liter	
				+			
Back	ext						

Click on **Load migrated**.

Гарѕ								
					Load migrated	Auto assign	Cancel	Save
Tap Id	Tank	I/O Unit	Port	Timeout (s)	Pulses after close	Pulses per liter		
1	8 - yellow coolar	nt 🔻 21	• 1	▼ 300	Suggested: 0 O	94		
2	7 - Green coolar	it ▼21	₹ 2	▼ 300	Suggested: 0 O	100	T	
3	1 - VDS-4.5	v 21	₹ 3	▼ 300	Suggested: 0 O	98		
4	6 - hydraulic oil	▼ 21	₹ 4	▼ 300	Suggested: 0 O	102		
5	5 - Hindemith	▼ 21	▼ 5	▼ 300	Suggested: 0 O	101	Ť	
6	4 - VDS 5	▼ 21	▼ 6	▼ 300	Suggested: 0 O	100	Ĩ	
7	2 - Super Gear	▼ 21	₹7	▼ 300	Suggested: 0 0	98	T	
8	3 - 75w-90	₹ 22	▼1	▼ 300	Suggested: 0 O	100	T	
	0.75.000	- 22	- 0	- 200	Suggested: 0	100		_
	3 - 75w-90 🔻	- 22	₹ 2	▼ 300	O Suggested: 0	100		Î
	2 - Super Gear 🔹	22	▼ 3	▼ 300	0	100		İ
	1 - VDS-4.5	23	▼1	▼ 300	Suggested: 0 0	96		Ť
	1 - VDS-4.5	23	₹ 2	▼ 300	Suggested: 0 0	98		Ť
	1 - VDS-4.5	23	▼ 3	▼ 300	Suggested: 0	100		•

Back Nex

Check the settings. Click **Save** and then **Next**.

8	Pumps						
	Pumps						
				Load migrate	d Auto assign	Cancel	Edit
	Pump Id	Tank	I/O Unit	Port			
			+				
	Back Next						

Click on **Load migrated**.

		Load migrated	Auto assign	Cancel
ked to a tank!				
Tank	I/O Unit	Port		
1 - VDS-4.5 - SE3 EXX153926 -		•	• i	
1 - VDS-4.5 - SE3 EXX153926 💌		•	•	
3 - 75w-90 - SE3 EXX153284 💌		•	•	
4 - VDS 5 - VO 85153938 💌		•	•	
	Tank 1 - VDS-4.5 - SE3 EXX153926 1 - VDS-4.5 - SE3 EXX153926 3 - 75w-90 - SE3 EXX153284	Tank U/O Unit 1 - VDS-4.5 - SE3 EXX153926 ▼	Ked to a tank! I/O Unit Port 1 - VDS-4.5 - SE3 EXX153926 * *	Ked to a tank! Tank I/O Unit 1 - VDS-4.5 - SE3 EXX153926 * • 1 - VDS-4.5 - SE3 EXX153926 * • 3 - 75w-90 - SE3 EXX153284 * •

Check the settings. Click **Save** and then **Next**.

9 Tank Monitors					
Tank Monit	ors				
			Load migrated	Auto assign	Edit
Tank	I/O Unit	Port			
		+			
Back Next					

Click on **Load migrated**.

Tank Monitors							
				Load migrated	Auto assign	Cancel	Sa
Some tank monitors are not linke	ed to a tank!						
Tank	I/O Unit		Port				
1 - VDS-4.5 - SE3 EXX153926 🔻		*		•	Ŧ		
2 - Super Gear - SE3 EXX15 💌		•		•	Ŧ		
			+				

Check the settings. Click **Save** and then **Next**.

Users mana	gement			
			ERP int	egra
Pin code	First name	Last name		
5053	Andreas	Andersson	ľ	1
5000	Stefan	Nilsson	Ľ	1
Admin			Ľ	
5047	Stefan	Carlsson	Ľ	1
5709	Mikael	Karlsson	Ľ	1
1234	Filip	Nilsson	ľ	1
		+		

Click on **ERP integration**.

Jsers mana	gement		
			ERP integrations
Pin code	First	ect an ERP system	
5053		oose the ERP you want to configure	C 🔋
5000	Stefa	GDS - GDS	C 🔋
Admin		Select Cancel	C
5047	Stefan	Carlsson	c 🔋
5709	Mikael	Karlsson	6 🔋
1234	Filip	Nilsson	6 🔋
		+	

Select ERP.

Erp <-> User integrations

GDS - GDS Back			Load migrated Cancel Save
Pin code	First name	Last name	ERP ID
5053	Andreas	Andersson	
5000	Stefan	Nilsson	
5047	Stefan	Carlsson	
5709	Mikael	Karlsson	
1234	Filip	Nilsson	

Add ERP-id for each mechanic.

Click on **Save** and then **Back**.

D The imp	oort is not	concluded.					
3 ERP co	nnectio	ons					
3 ERPs							
ERP Co	nnectio	ns					
						Load migrated	Edit
Name	Туре	Start of range	End of range	Use Job No	Use verify	Send receipts Fetch articles	
_			т				
Back Ne	ĸt						

					Load migrat	ted Dis	criminator	Cancel
Name	Туре	Start of range	End of range	Use Job No	Use verify	Send receipts	Fetch articles	
TacDis	TacDis	▼ 20000	1000000		×	~	~	
GDS	GDS	▼ 20000000	6000000	~		~		
Csv	Csv	~ 0	19999					
			4	+				

Data from previous (NMS SafeRecord 2) installations can be imported.

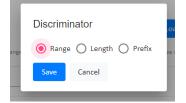
- 1 If SafeRecord 2 data is available, see <u>Section 7.2 Migrate old data</u>.
- 2 Click on **Next** when done.

This menu is used to set up connected business systems (ERP's)

- 1 Choose customer ERP.
- 2 Choose Discriminator.

Discriminator Range/Length/Prefix should follow the chosen ERP standard.

It is important that customer IT is involved in this configuration.



Use job no. - If ERP uses job.no. choose this setting.

Use verify - If customer ERP system demands verification should use verify be activated.

Send receipts - If customer ERP system demands transfer volumes should send receipts to be activated.

Fetch articles - If ERP has article info that could be read by NMS should Fetch articles be activated (only in TacDis for now).

3 Click on **Save** and then **Next** when done.

ERP Details
TacDis
Tacdis
Host
TACOIL
Initiator
GENINT
Sender tag
GENINT
Partner name
VH369G1P
User
OILBAR
OK order status
20 😵 30 😵
OK job status
00 😵 32 😵
Fetch vehicle registration number
Save Cancel Load migrated

Host - Is the TacDis server address and can be found in the **netapi.cnf** file.

Initiator - Is almost always GENINT.

Partner name - Should be verified by customer IT.

User - Should be a valid user in TacDis. It's recommended to create a separate user for NMS.

OK order status - Normally 20 and 30. Discuss with customer IT or TacDis responsible before changing.

OK job status - Normally 00 and 32. Discuss with customer IT or TacDis responsible before changing.

Fetch vehicle registration number – If the customer wants the technician to verify registration number choose this option.

ERP De	etails			
GDS				
GDS				
Host				
GDSOIL		 	 	
Initiator				
INIT10				
Sender tag				
INIT10				
Partner name				
TH1333SE		 	 	
Dealer				
000380				
Branch				
31				

Host - is the GDS server address and can be found in the **netapi.cnf** file

Initiator - Is almost always INIT10

Sender tag - Is almost always INIT10

Partner name - Should be verified by customer IT

Dealer - Should be verified by customer IT

Branch - Should be verified by customer IT

Use operation - If the customer uses operation (job. No) choose this setting.

ERP Details

ERP Details	
Csv	
CSV	
Order file c:\nederman\order.txt	-
Order file fields	
Order No 😒 🖡 😂 Article 🛞 Volume 🚳	-
Order No Job No Article Volume Ignore	
Receipt file c:\nederman\receipt.txt	
Receipt file fields Order No Employee number Article Volume	-
Order No Job No Employee number Article Volume Decimals 2	-
Delimiter (e.g. ;)	-
Save Cancel Load migrated	
Order file	
ERP Details	
Csv	
CSV	
Order file c:\nederman\order.txt	

Path to file with a valid order number from ERP. It is possible to use a path to the file server.

Order file fields

Order file fields Order No Image: Solution of the solution of th
Order No Job No Article Volume Ignore
Receipt file
c:\nederman\receipt.txt

SV		
CSV		
Order file		
Order file f	fields	
Order No	😣 🖡 🛞 Article 🛞 Volume 🗵	
Order No	Job No Article Volume Ignore	
)!£1.		
Tab		
Space		
Vertical	tab	
File sepa	arator	
Group s	eparator	
)elimiter (e.g	;)	•
equired		
Save	Cancel Load migrated	

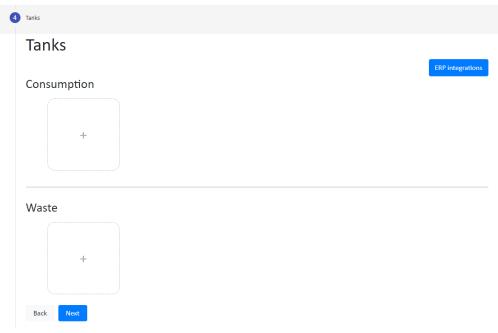
Select **Delimeter**.

Table 7.1 Order file explanation

Order No	Order number from ERP.
Job No	Job no from ERP.
Article	Article from ERP.
Volume	Volume from ERP.
Į:	Repeat mark. All info after this will be read to the end of row.
Ignore	This field will be ignored.
🥘 *Untitled - Notepa	ad
File Edit Format Order No 1478521	View Help Article Volume Article Volume Article volume Customer (ignored field) 147852 2 147852 1,5 142589 2,6 Farmer John

7.4 Tanks

7.4.1 Configure the tanks



ank name Aotor oil	
apacity (Litres)	
000	
evel (Litres)	
.00	
top limit (Litres)	
0	
ontents	
iw-40	
rticle no.	
2458296	
faximum allowed volume per order (liters)	
0	
linimum non-transferable volume per order (liters)	
.2	
ilution factor	

- 1 Click on the **Plus** sign on one of the tank images and fill in all fields for each tank.
- 2 Enter the tank name and capacity (maximum volume) of the tank.
- 3 Enter the volume level in the tank. The system keeps count of the volume that is tapped and the volume level is updated accordingly.

D For systems with tank surveillance, this is only done for first-time use of the system. For systems without tank surveillance, the level needs to be updated manually after each refill.

4 Set the stop limit. When the stop level is reached, taps connected to this tank cannot be opened.

The stop-limit must be set so that no air can be drawn into the pipes and there is enough time to order new contents for the tank.

- 5 Describe the medium in the tank and enter its article number. If you have a connection to a business system (ERP), it is important that the article numbers, including any prefix, are filled in for every medium. Use the **ERP integrations** button to find the correct article number.
- 6 Set the maximum allowed- and minimum non-transferable volume per order. It is common to set a minimum volume for transfer. Used when a superior system is used, and that system does not want to deal with very small quantities or 0 quantities. Volumes below the minimum nontransferable volume are not billed to the customer.
- 7 Set the dilution factor. This is set to 1 for oil tanks. For glycol or windscreen washer liquid that is mixed with water, set the dilution factor according to the mixture. Example: For a 30% mixture of windscreen washer liquid, set the volume factor to 0.3.
- 8 Mark the **Allow free tapping** checkbox if free tapping is allowed.
- 9 Click on **Save** and then **Next** when done.

7.4.2 After configuration

When the tanks are configured, the current tank volumes are shown for all tanks in the system. The eye icon on the tank images informs you whether the tank is equipped with tank surveillance or not. A crossed-out eye means that the tank does not have surveillance.

nk name indscreen fluid pacity (Litres)
pacity (Litres)
18
o
vel (Litres)
8
pp limit (Litres)
)
ntents
indscreen fluid concentrate
ticle no.
6648274
aximum allowed volume per order (liters)
kindin allowed volume per order (inters)
nimum non-transferable volume per order (liters) 2
-
ution factor
5
Use concentrate volume for receipts & ERP transfer
Allow free tapping
Save Cancel

anks			
onsumption			ERP integration
💘 Motor oil	Windscreen fluid Windscreen fluid	+	
5w-40			
5w-40	concentrate		

Tank

Tank name			
Waste oil			
Capacity (Litres)			
2000			
Level (Litres) 700			
700			
Stop limit (Litres)			
1950			
Contents			
Waste oil			

F an	KS			ERP integrations
Cons	umption			
	💘 Motor oil	Windscreen fluid		
	5w-40	Windscreen fluid concentrate	+	
Vast	e			
ſ	Ø			
	Waste oil Waste oil	+		

When using several ERP-systems there is a risk that each system uses separate article no for the same liquid. The ERP article mapping has to be used.

ERP <-> Article mappings

Back				Load migrated	Edit
Tank name	Tank article number	ERP Type	Mapped article number		
		+			

RP <-> Ar	ticle mapping	S					
Back					Load migrated	Cancel	Save
Tank name	Tank article number	ERP Type		Mapped article number			
				ERP Article Number			
Motor oil	*	TacDis - TacDis	*	LO 254789652	T		
				ERP Article Number			
Windscreen fluid	T	TacDis - TacDis	•	LO 2584156	İ		
				ERP Article Number			
Motor oil	T	Csv - Csv	*	A2514785	T		
				ERP Article Number			
Windscreen fluid	*	Csv - Csv	*	C3541258	1		

7.5 SIOX Config		
5 SIOX Config		
	SIOX-configurati	on
	COM Port	Baudrate 9600
	Save Cancel	
Back Next		
5 SIOX Config		
	SIOX-configurat	ion
	COM Port	Baudrate 9600
	COM3 (SIOX detected)	
Back Next		

- 1 Make sure the USB-cable to I/O-converter is connected. Normally will NMS detect the COM-port where the I/ O-converter is installed. Standard setup BAUD rate is 9600.
- 2 Click on **Save** and then **Next** when done.

7.6 SIOX Units

7.6	5.1 Setup	of SIOX units					
6	SIOX Units						
	SIOX Uni	its					
					Load migrated	Scan	Edit
	Туре	Model	Address	Ports			
			+				
	Back Next						

There are two options to make the setup of SIOX units.

- 1 Add each unit manually using the + sign.
- 2 Automatically by using the Scan function. See below.
 - Click on **Start scan**.

6	SIOX Units						
	SIOX Units						
				Load migrated	Scan	Cancel	Edit
	Siox scan					Start scan	
	Address	Enquiry	PLC				

• All correct installed units will now be detected by the software.

Siox	scan				Start scan
Address	Enquir	Ŷ	PLC		
1	ST3 V	er 2.50:008		+	
21	S45 V	er 3.58:000		+	
22	S45 V	er 3.58:000		+	
51	ST4 Vi	er 1.07:000	VL503.4	+	
57	R02 V	er 3.42:000	;0;0;0;	+	

• Choose correct designation for each unit.

			Start
Address	Enquiry	PLC	
1	ST3 Ver 2.50:008		+
21	\$45 Ver 3.58:000		+
22	\$45 Ver 3.58:000		ST4-T
51	ST4 Ver 1.07:000	VL503.4	ST4-7
57	R02 Ver 3.42:000	?0?0?0?	ST4-7T
			S45
			R02

7.6.2 Configure SIOX units

SIOX Units	5				
			Loa	ad migrated Scan	Cancel
Туре	Model	Address	Ports		
Term	ST3	1	0	~	
10	S45	21	7	~	
ю	S45	22	7	~	
ю	ST4-7	51	7	~	
Tank Monitor	R02	57	2	~	
		+			

SIOX units are normally keyboard terminals (ST4´s), taps (S45/ST4´s) and pressure gauges on tanks (RO2´s). The preferred method of configuring the taps is by using the 'Scan' function. This requires that the SIOX addresses of the S45/ST4´s and ST4´s are according to the Nederman standard configuration. See <u>Chapter 8 Nederman standard configuration</u>.

The SIOX units can be configured using the Scan function, by using manual setup or a combination of them.

Scan method

- 1 Click on **Scan** and then **Start scan** to search the system for SIOX units.
- 2 A list with available SIOX units appear.
- 3 Click on the + sign to change the configuration.
- 4 Click on **Save** and then **Next** when done.

Manual method

- 1 Click on the + sign before or the v sign after. A scan has been performed.
- 2 Change the configuration.
- 3 Click on **Save** and then **Next** when done.

SIOX Unit	ts			
				Scan Cancel Edit
Туре	Model	Address	Ports	
		+		
Add units m	-			
Click on the	cross sign.			
SIOX Uni	ts			
				Scan Cancel Save
Туре	Model	Address	Ports	
New	ST4-7	▼ 21	0	× 📋

7.7 Taps

7.7.1 Using of taps and connection to tanks

Taps							
Taps							
					Load migrated	Auto assign	Edit
Tap Id	Tank	I/O Unit	Port	Timeout (s)	Pulses after close	Pulses per liter	
				+			
Back	ext						

The taps are handled in groups, each called a subterminal. They correspond to the I/O modules with the S45/ST4 modules.

Each I/O module can contain up to six or seven S45/ST4 units, depending on the system version.

The port number is the output in the S45/ST4 I/O module and they are numbered 1 to 7. For older S45/ST4's the port numbers are numbered 1 to 6.

Normally, the mechanic is expected to close orders manually after receiving the desired oil and other fluids. As a safety measure, the **Timeout (s)** setting ensures that the order is closed automatically with a 10 minute (600 seconds) standard value. It may be appropriate to change these times depending on the working methods used at your workshop. NMS will print the order or transfer it to the business system if so selected in the configuration of that tap.

The pulses after close is a small amount of liquid that runs past the solenoid valve during the closing phase, which the pulse sensor includes in the total volume. This volume is always the same on the individual tap, regardless of whether a small or large volume has been preset.

The number of pulses is normally one, two or three and is because the fluid has a high viscosity and/or being under high pressure. Basically the result of the S45/ ST4 counting pulses and then closing the output when the correct number of pulses has been detected.

Due to the delay, viscosity and pressure, a couple of pulses always get registered after this time. The setting reduces or increases the number of pulses to allow before closing the output.

Use the Auto assign function to detect the taps or set them up manually with the plus sign.

7.7.2 Auto assign function

- 1 Click **Auto assign** to start the scan. A list with available taps appears when the scan is ready.
- 2 Click **Edit** to change the configuration of the taps.
- 3 For each tap id: Set the **Timeout (s)**, **Pulses after close** and **Pulses per litre**.
- 4 Delete taps that are not used by clicking the dustbin.
- 5 Click on **Save** and then **Next** when done.

Taps

					Load migrated	Auto assign	Cancel	Edit
Some taps a	are not linked to a t	tank!						
Tap Id	Tank	I/O Unit	Port	Timeout (s)	Pulses after close	Pulses per liter		
1		21	1	600	0	100		
2		21	2	600	0	100		
3		21	3	600	0	100		
4		21	4	600	0	100		
5		21	5	600	0	100		
6		21	6	600	0	100		
7		21	7	600	0	100		
8		22	1	600	0	100		
9		22	2	600	0	100		
10		22	3	600	0	100		
11		22	4	600	0	100		
12		22	5	600	0	100		
13		22	6	600	0	100		
14		22	7	600	0	100		
15		23	1	600	0	100		

٦	Га	n	ς

7 Taps

aps						
					Load migrated	Auto assign Cancel Edi
Tap Id	Tank	I/O Unit	Port	Timeout (s)	Pulses after close	Pulses per liter
1	Motor oil - 5w-40	21	1	60	0	100
2	Windscreen fluid - Windscreen fluid concentrate	21	2	600	0	100
3	Motor oil - 5w-40	21	3	300	0	100
4	Windscreen fluid - Windscreen fluid concentrate	21	4	600	0	100
5	Motor oil - 5w-40	21	5	120	0	100
6	Windscreen fluid - Windscreen fluid concentrate	21	6	600	0	100
8	Motor oil - 5w-40	22	1	180	0	100
9	Windscreen fluid - Windscreen fluid concentrate	22	2	600	0	100
10	Motor oil - 5w-40	22	3	600	0	100
11	Windscreen fluid - Windscreen fluid concentrate	22	4	600	0	100
				+		
Back Next						
Pumps						
Pumps						
Pumps						

i annpo						
			Load migrated	Auto assign	Cancel	Edit
Pump Id	Tank	I/O Unit	Port			
		+				
Back Next						

Assign the pumps for each available tank.

The pump id can be selected freely but it is suggested that the **Auto assign** function is used. The pump id should preferably match the tank id.

• Use the **Auto assign** function to detect the pumps or set them up manually with the plus sign.

Auto assign function

- 1 Click on **Auto assign** to start the scan. A list with available pumps appears when the scan is ready.
- 2 Click on **Edit** to change the configuration of the pumps.
- 3 Set correct tank id for each pump.
- 4 Delete taps that are not used by clicking on the **Dustbin**.
- 5 Click on **Save** and then **Next** when done.

Pumps			_			_
				Load migrated	Auto assign	Cancel
Some pumps are r	not linked to a tank!					
Pump Id	Tank	I/O Unit	Port			
1		51	1			
2		51	2			
3		51	3			
4		51	4			
5		51	5			
6		51	б			
7		51	7			
		+				
Back Next						
Pumps						
Pumps						
				Load migrated	Auto assign	Cancel
Pump Id	Tank	I/O Unit	Port			
1	Motor oil - 5w-40 - 12458296	51	1			
2	Windscreen fluid - Windscreen fluid concentrate - 25648274	51	2			
		+				
Back Next						
Dack Next						
Datk Next						
	nitors					
	nitors					
	nitors					
Tank Mo						
Tank Mol				Load migrated	Auto assign	Cancel
Tank Mol		Ρ	ort	Load migrated	Auto assign	Cancel

8 Pumps

7.9.1 Auto assign function

Tank Monitors							_
				Load migrated	Auto assign	Cancel	S
Some tank monitors are not linke	ed to a tank!						
Tank	I/O Unit		Port				
Motor oil - 0W20 - 254484 🔻	57	*	1	•	Ŧ		
Windscreen fluid - Windsc 💌	57	•	2	▼	Ŧ		
			+				

- 1 Click **Auto assign** to start the scan. A list with available tank monitors appears when the scan is ready.
- 2 Click **Edit** to change the configuration of the monitors.
- 3 For each tank monitor: Set the correct I/O module (unit) and port to the desired tank by clicking the tank field with the arrow for each tank.
- 4 Delete monitors that are not used by clicking the **Dustbin**.
- 5 Click on **Save** and then **Next** when done.

7.10 User management

7.10.1 Set user (operator) details

10	User management				
	Users managem	ent			
					ERP integrations
	Pin code	First name		Last name	
	Admin				ß
			+		
	Back Next				

Pin code		
123456		
Password		
•••••		
Confirm Password		
•••••		
First name		
Fredrik		
Last name		
Lindgren		
Phone number		
E-Mail		
fredrik@nms.com		
Permissions		
Mechanic		
	Save Ca	ance

GDPR Notice: This is the only place where first name, last name, phone number and email are stored. Removal of a user (or removal of the data) means removal of this data from the system.

i

i

GDPR notice: This is the only place where the first name, last name, phone number and email are stored. Removal of a user (or removal of the data) means removal from the system.

The personal pin code should consist of at least four digits. It is used to identify the operators when they start tapping oil and it is expected to be somewhat secret so that the operators use their own pin code.

If NMS is connected to a business system it is important that the operator's employee number is the same as in the ERP system.

7.10.2 Permissions setting

Pin code	
147258	
Password	
•••••	
Confirm Password	
•••••	
First name	
Per	
Last name	
Andersson	
Phone number	
E-Mail	
per.andersson@nederman.se	
Permissions	
Workshop manager	

GDPR Notice: This is the only place where first name, last name, phone number and email are stored. Removal of a user (or removal of the data) means removal of this data from the system.

The **Permissions** setting is the role in NMS and this controls how much the user is allowed to do in the system. The following roles are defined:

- **Mechanic:** Access to dispense fluids.
- Workshop Manager: Access to change volume, article no, users, check recipes, dispense fluids.
- Service Engineer: Calibration and same as workshop manager.
- Administrator: Full access to all NMS features.
- 1 Click the + sign to add a new user or click on **ERP integrations** to synchronize employee numbers with the business system.
- 2 Click on **Save** and then **Next** when done.

7.10.3 Set ERP id

Users mana	gement		
			ERP integratio
Pin code	First name	Last name	
Admin			C'
123456	Fredrik	Lindgren	2 🔋
147258	Per	Andersson	2 🔋
		+	

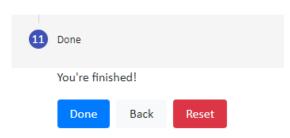
When using ERP connection, the operator ERP id must be set.

Select an E	,	
TacDis - TacDis	•	
Select	Cancel	ne

Erp <-> User integrations

TacDis - TacDis

Back				Cancel Save
Pin code	First name	Last name	ERP ID	
123456	Fredrik	Lindgren	2589	



7.11 Done or system reset

In the **Done** menu you can see and confirm that the configuration is performed. Here you also find a **Reset** option, if needed.

D Use the **Reset** option with care. All entered data is deleted (even saved data). The function is protected with admin rights and a password to avoid unintentional deletion of data.

7.12 Main menu

When the configuration steps are completed, the main menu looks like this:



Home Terminal Reporting

Service

Configuration

Logout

NMS Demo

Active orders No orders

7.13 System icons

	Configuration edit icons					
٠	Settings Click to show available settings.					
0	Tank surveillance active Informs whether the tank is equipped with tank surveillance or not. The tank has surveillance.					
R	Tank surveillance not active Informs whether the tank is equipped with tank surveillance or not. The tank does not have surveil- lance.					
+	New entry Click to add a new entry, tank, pump, etc.					
~	More information Click to show more information.					
^	Less information Click to show less information.					
+	Selection Click to show a menu with previously defined options.					
ľ	Edit Click to edit available settings.					
T	Dustbin Click to delete row.					

7.14 Configuration menu

Home	Terminal	Reporting 🔻	Service 🔻	Configuration \bullet	Logout
				General	
				Users	
				Tanks	
				SIOX Units	
				Taps	
				Pumps	
				Tank Monitors	
				ERPs	
				Notifications	

From the main menu: Click on **Configuration** and select an option to configure.

7.15 Notifications and receipts

7.15.1 Set up receipts and get notifications when tanks need to be refilled

Notifications				
				Edit
Trigger	Action		Target	
		+		

To add a notification, click on the + sign.

lotifications				
				Cancel Save
Trigger	Action		Target	
Tank limit reached 👻	Send email	*	123456 - fredrik@nms.com 💌	Ť
Receipt transfer failed 🔹	Send email	•	147258 - per.andersson@ 💌	

- 1 Choose Trigger.
- 2 Choose Action.
- 3 Choose Target.

Tank notification details		
Back		Edit
Tank	Level (liters)	
	+	

To add notification details click on the + sign.

Tank notification details		
Back		Cancel Save
Tank	Level (liters)	
Motor oil - 5w-40 - 124582 💌	250	Ť.
Motor oil - 5w-40 - 124582 💌	50	1
Windscreen fluid - Windsc 💌	52	Ŧ
Motor oil - 5w-40 - 12458296	0	
Windscreen fluid - Windscreen fluid concentrat	+	
Waste oil - Waste oil -		

Set tank and then correct volume when the notification mail should be sent. It is possible to set several actions for each tank.

Tank notification details			
Back			Cancel Save
Tank	Level (liters)		
Motor oil - 5w-40 - 124582 💌	250		
Motor oil - 5w-40 - 124582 💌	50		Ŧ
Windscreen fluid - Windsc 💌	52		Ť
Windscreen fluid - Windsc 💌	0	1	Ŧ
	Stop		
	10%		
	25%		

Tank notification details

Back		Cancel Save
Tank	Level (liters)	
Motor oil - 5w-40 - 124582 🔻	250	Ŧ
Motor oil - 5w-40 - 124582 🔻	50	Ŧ
Windscreen fluid - Windsc 🔻	52	Ŧ
Windscreen fluid - Windsc 💌	10	
	+	

Home	Terminal	Reporting 🔻	Service 👻	Configuration 👻 Lo	gout
				General	
				Users	
				Tanks	
				SIOX Units	
				Taps	
				Pumps	
				Tank Monitors	
				ERPs	
				Notifications	

SMTP Configuration

Hostname		25	Use SSL
Username		Password (Blank = no cha	-
From addr	ess		
Save	Cancel	Test	

7.15.2 Receipts

To get receipts, the email server (SMTP) needs to be configured. Contact the customer IT department for assistance and details.

- 1 From the main menu: Click on **Configuration > General**.
- 2 Enter the data for the email server.
- 3 Click on **Save** when done.

SMTP Configuration

smt.office365.com		25	Vise SSL
Username		Password (Blank = no cha	ange)
user		•••••	
From address oil@nms.co	om		
Save	Cancel	Test	
			Reset

8 Nederman standard configuration

- **Terminal (ST4):** The terminal is the device that the mechanic opens and closes the taps from. They are usually addressed between 01-20.
- **Tap (S45/ST4):** S45/ST4 is the device that controls solenoid valves and counts the pulses from the pulse sensors. There are one or two S45/ST4's installed in each I/O module, depending on whether it is intended for seven or fourteen taps.
- **Tank/pump surveillance unit (RO2):** An RO2 is a pressure sensor that monitors the pressure in tanks and pumps. Each RO2 unit can handle 1 2 tanks. The RO2 units are usually addressed 57 63.

8.1 Addressing overview

Unit	Function	Address
Terminal (ST4)	Start orders	1-20
Tap (S45/ST4)	Open taps/register pulses	21-50
Tap (S45/ST4)	Open pumps	51-56
Tank/pump surveillance unit (R02)	Sense and alert pressure (levels)	57-63
Keypad with I/O module (ST4/7T)	Start orders/Open taps/register pulses	21-50

9 User Manual

9.1 Refill tank

Home	Terminal	Reporting 👻	Service 👻	Configurati	ion 🔻	Logout
			Refill tan	k		

Log in as a user with Workshop manager rights. Click on **Service** and **Refill a tank**.

Tanks

Consumption



Select a tank.

Refill M2
Capacity (Litres): 2000
Contents: 5W-40
Level: 428.8496740993286
Article number
MOB 150010
Volume change (Litres)
Save Cancel

Add filled volume and then click on **Save**.

9.2 Reports

Home Terminal	Reporting Service	 Configuration Logout 	
	Receipts Usage statistics		

Click on **Reporting**, **Receipts**.

Filter			Pick a date 07/15/2020 - 08/13/2020	
Order number	Job number	Date	Mechanic	Status
3543090	1	8/13/20, 2:25 PM	Malm, Anton	~
3547489	1	8/13/20, 2:00 PM	Rolf, Thomas	~
3541459	1	8/13/20 1-09 PM	Malm Anton	~
arch in a Filte	r, select Dat	e.		
er			Pick a date 07/15/2020 - 08/13/2020	
Order number	Job number	Date	Mechanic	Status
	Job number 1	Date 8/13/20, 2:25 PM	Mechanic Malm, Anton	Status
3543090				
3543090 Summary Start time				
3543090 Summary Start time 8/13/20, 2:25 PM Stop time				
3543090 Summary Start time 8/13/20, 2:25 PM Stop time 8/13/20, 2:35 PM				
Order number 3543090 Summary Start time 8/13/20, 2:25 PM Stop time 8/13/20, 2:35 PM Tappings Article number				

Open **Receipt**.

Home	Terminal	Reporting 👻	Service *	 Configuration 	•	Logout
		Receipts Usage stat	istics			

Click on **Reporting**, **Usage statistics**.



Home Terminal Reporting - Service -

0B 150010 / 5W-40, MOB 153317 /	0W-20, MOB 152988 / 0W-30	-
		Today
A set of a filling		Yesterday
Article No.	Name	Last 7 Days
MOB 150010	5W-40	Last 30 Days
WOB 150010	500-40	This Month
MOB 153317	0W-20	Last Month
		Custom range
MOB 152988	0W-30	< Aug 2020

ick a da	te								
Today	,					AP	PLY		
Yester	rday								
Last 7	Days								
Last 3	0 Days								
This N	Aonth								
Last N	Aonth								
Custo	m rang	e							
<		A	ug 202	20		>			
Su	Мо	Tu	We	Th	Fr	Sa			
26	27	28	29	30	31	1			
2	3	4	5	6	7	8			
9	10	11	12	13	14	15			

Select Liquids and Date.



Home Terminal Reporting - Service -

Selected liquids MOB 15001	0 / 5W-40, MOB 153317 / 0W-20, MOB 1529	88 / 0W-30 👻	Pick a date 08/07/2020 - 08/13/20 -	20
Article No.		Name		Tapped volume (liters)
LO 10201	1200	Spolarvätska		39.45
MOB 150	0010	5W-40		17.65
MOB 153	3317	0W-20		26.10
MOB 152	2988	0W-30		51.31

Volumes on chosen liquids and date interval will be shown.

9.3 Using the web browser as a keypad

Nec	Home Terminal Rep	oorting ▼ Service ▼
	Pin code •••• Order number 2014879	Active orders No orders
	Job number 1 Verify Next	-

- 1 Click on **Terminal**.
- 2 Enter the PIN code.
- 3 Enter the order number.
- 4 If applicable, enter the job number.
- 5 Click on **Next**.

Pin code				Active orders
				• 2014879, 1 ×
Order number				
2014879				-
ob number				
1				_
		Verify	Next	
)	(
Тар				
Tap number is required				
Volume (liters)				
	+			
	-			
		Reset	Start	

•••		Active orders
rder number		• 2014879, 1 ×
014879		
b number		
	Verify	Next
_		x
Тар 2		
Volume (liters)		
5,4		
		x
Tap 4		
-		
Volume (liters)		
10		
	+	
	Reset	Start
	ber and preset volume.	
s possible to op	en several taps at the same time.	
	Active orders	
	• 2014879, 1 🗙	
Next		

When closing an order, click on the white cross behind correct order no.

9.4 Setting up remote management of NMS

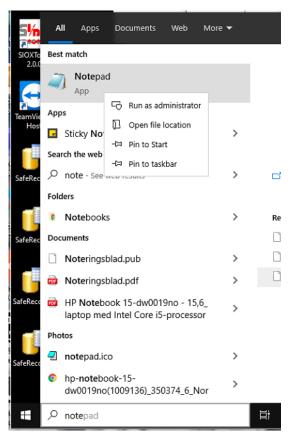
If the customer wants to manage NMS or use the terminal from another computer on the company's network, some changes must be done.

📙 🔄 📑 🗧 I C:\ProgramData\Nederman\NMS						
File Home Share View						
\leftarrow \rightarrow \checkmark \uparrow \square \Rightarrow This	s PC > Local Disk (C:) > ProgramData > N	ederman > NMS				
^	Name	✓ Date modified	Туре	Size		
Quick access	📗 appsettings.json	2020-07-01 08:38	JSON File	4 KB		
📃 Desktop 🖈	appsettings.Production.json.example	2020-07-01 08:38	EXAMPLE File	1 KB		
🕂 Downloads 🖈	log20200814.txt	2020-08-14 11:33	Text Document	2 KB		
🚆 Documents 🖈	Nms.db	2020-08-14 11:33	Data Base File	268 KB		
📰 Pictures 🛛 🖈	structured20200814.txt	2020-08-14 11:33	Text Document	4 KB		
Bilder						
DATA						
Nederman						

Open Explorer and go to path C:\ProgramData\Nederman\NMS.

i I I I I Ca File Home	Progra:	mData\Nederman\NMS View			
÷ → • ↑) > Th	is PC → Local Disk (C:) → ProgramData ⇒	→ Nederman → NMS		
	^	Name	Date modified	Туре	Size
📌 Quick access		appsettings.json	2020-07-01 08:38	JSON File	4 KB
📃 Desktop	*	appsettings.Production.json	2020-07-01 08:38	JSON File	1 KB
👆 Downloads	*	log20200814.txt	2020-08-14 11:33	Text Document	2 KB
🔮 Documents	*	Nms.db	2020-08-14 11:33	Data Base File	268 KB
Pictures	*	structured20200814.txt	2020-08-14 11:33	Text Document	4 KB
Bilder					
DATA					
Nederman					

Rename appsettings.Production.json.example to appsettings.Production.json.



Open notepad as administrator.

→ ~ ↑	his PC > Local Disk (C:) > ProgramData	→ Nederman → NMS	~	🖸 Sea	rch NMS	
rganise 👻 New fol	der				:== :==	•
Bilder ^	Name	Date modified	Туре	Size		
DATA	🔳 appsettings.json	2020-07-01 08:38	JSON File	41	KB	
Nederman	appsettings.Production.json	2020-07-01 08:38	JSON File	11	KB	
NMS	log20200814.txt	2020-08-14 11:33	Text Document	21	KB	
OneDrive - FLIT Su	Nms.db	2020-08-14 11:33	Data Base File	268	KB	
OneDrive - FLIT St	structured20200814.txt	2020-08-14 11:33	Text Document	41	KB	
This PC						
🗊 3D Objects						
Desktop						
Documents						
🖊 Downloads						
Music						
E Pictures						
Videos						
_						
🟪 Local Disk (C:) 🔍						

Select path C:\ProgramData\Nederman\NMS.

In the lower right corner, select all files.

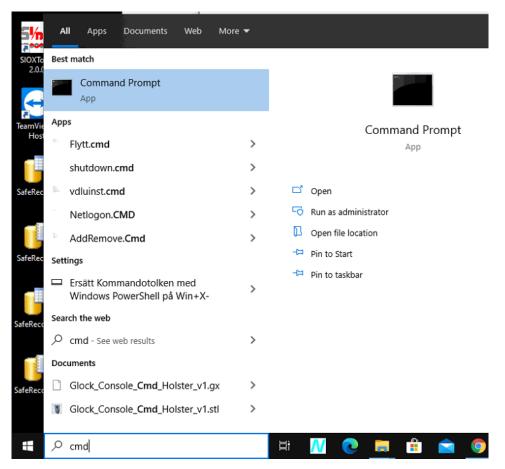
Select **appsettings.Production.json** and then click on **Open**.

appsettings.Production.json - Notepad
File Edit Format View Help
{
 "Nms": {
 "Server": {
 "Url": "127.0.0.1"
 }
 }
}

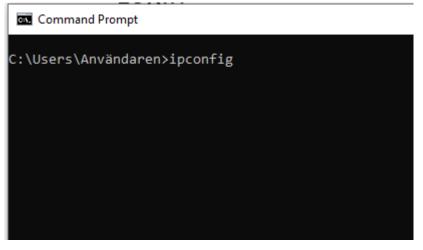
Change 127.0.0.1 to 0.0.0.0.

```
*appsettings.Production.json - Notepad
File Edit Format View Help
{
    "Nms": {
        "Server": {
            "Url": "0.0.0.0"
        }
    }
}
```

Click on **Save** and close notepad. Restart the computer.



In search field type CMD and open Command Prompt.



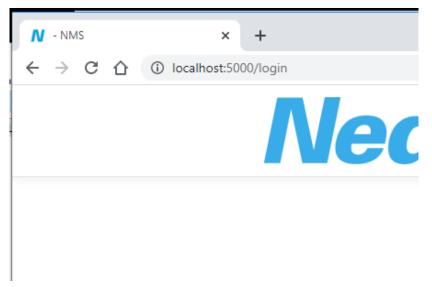
Type **ipconfig** and press **Enter**.

Select Command Prompt

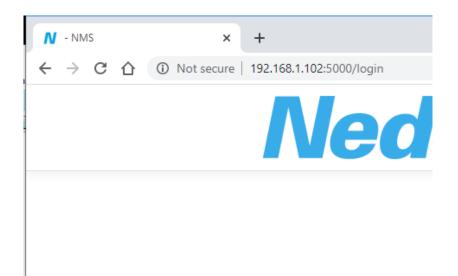
```
C:\Users\Användaren>
```

Find the row: IPv4 Address......192.168.1.102

Note the IP-address: X.X.X.X



Open the web browser on the NMS computer.



Replace localhost with NMS computers IP address.

NMS	× +
← → C ☆ @	D Not secure 192.168.1.102:5000/login
	Nederman
	Login
	Pin code *
	Pin code is required
	Password *
	Login

It is now ready to use in the network.

Try to open the path on another computer on the network.

The customers' employees can now administrate and open orders on all computers on the network.

