

NOTE: APPROVAL ON THIS PAGE SIGNIFIES
THIS ENTIRE DOCUMENT IS APPROVED

Windar Nexus Control Center

User Guide

2.1	03.02.2025	Release B1	Buğrahan Yamak
Rev.	Release Date	Change Information	Author

Document No: 5006-2-1
Page No: 1 of 23

Approved by:
Buğrahan Yamak

Revision History			
Document No: 5006-2-1			Title: Windar Nexus CC User Guide
Rev	Release date	Author	Change description
0.1	09.08.2024	BY	Init document.
2.1	03.02.2025	BY	Release B1

Table of Contents

1.0	Introduction	3
2.0	Applicable and Reference Documents	3
3.0	Acronyms and Definitions	3
4.	Account Management	4
5.	View: Overview	4
5.1	View: Overview	5
5.2	Configuring the displayed columns.....	5
6.	View: Event Manager	6
7.	Kayra: Adding Units (For Staff Users).....	8

1.0 Introduction

This document explains how to use Nexus Server from perspective of non-staff and staff user.

2.0 Applicable and Reference Documents

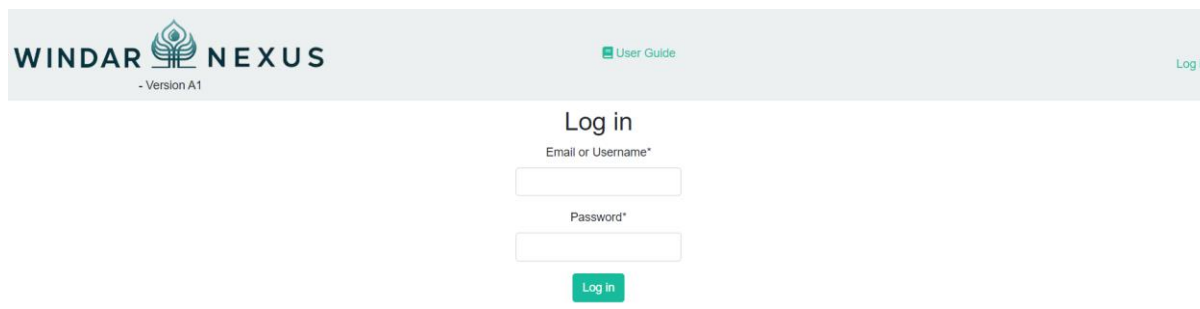
Document ID	Title
-------------	-------

3.0 Acronyms and Definitions

Acronyms	Description
----------	-------------

4. Account Management

Accounts for accessing the system are available only for users created by the admin. Admin credentials should be provided by Windar Photonics A/S. Password also can be only changed by the admin.

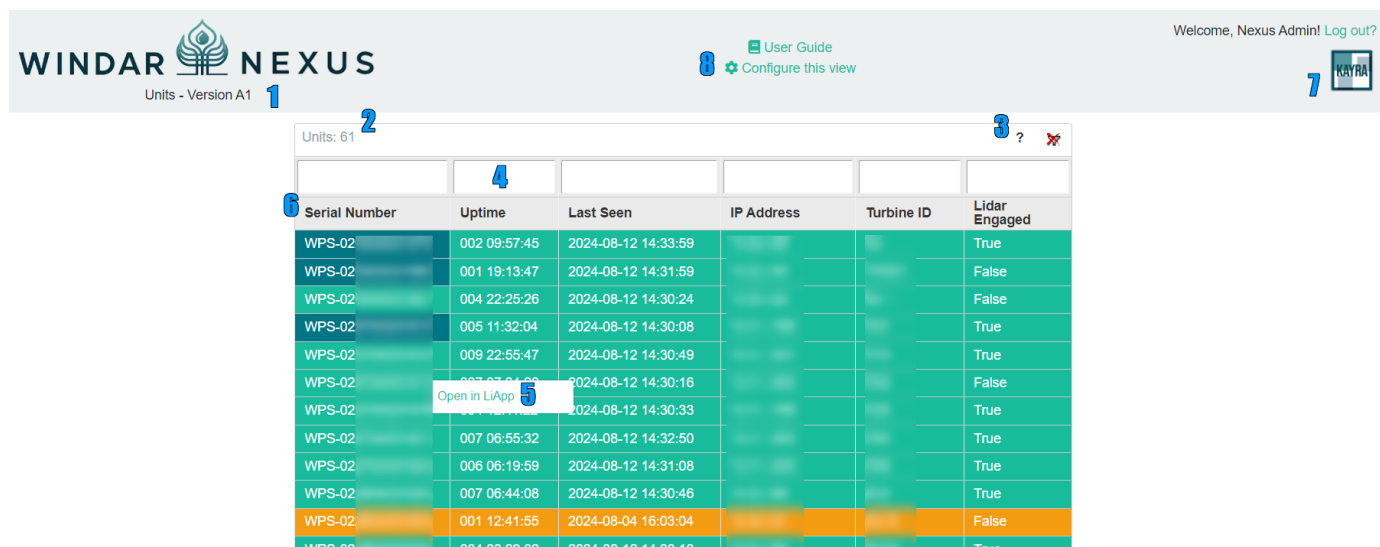


The screenshot shows the Windar Nexus login interface. At the top left is the Windar Nexus logo with '- Version A1' below it. To the right is a 'User Guide' link. Further right is a 'Log in' link. In the center, there is a 'Log in' heading followed by two input fields: 'Email or Username*' and 'Password*'. Below these fields is a green 'Log in' button.

Figure Error! Reference source not found.: Log-in view

5. View: Overview

Once logged in, the user will be redirected to the overview.



The screenshot shows the Windar Nexus Overview screen. At the top left is the Windar Nexus logo with 'Units - Version A1' below it. To the right is a 'User Guide' link and a 'Configure this view' link. Further right is a 'Welcome, Nexus Admin! Log out?' message. Below the header, there is a table with 6 columns: Serial Number, Uptime, Last Seen, IP Address, Turbine ID, and Lidar Engaged. The table contains 10 rows of data. A tooltip 'Open in LiApp' is visible over the table. Annotations 1 through 7 are present on the screenshot.

Serial Number	Uptime	Last Seen	IP Address	Turbine ID	Lidar Engaged
WPS-02	002 09:57:45	2024-08-12 14:33:59			True
WPS-02	001 19:13:47	2024-08-12 14:31:59			False
WPS-02	004 22:25:26	2024-08-12 14:30:24			False
WPS-02	005 11:32:04	2024-08-12 14:30:08			True
WPS-02	009 22:55:47	2024-08-12 14:30:49			True
WPS-02	007 07:04:08	2024-08-12 14:30:16			False
WPS-02	007 07:04:08	2024-08-12 14:30:33			True
WPS-02	007 06:55:32	2024-08-12 14:32:50			True
WPS-02	006 06:19:59	2024-08-12 14:31:08			True
WPS-02	007 06:44:08	2024-08-12 14:30:46			True
WPS-02	001 12:41:55	2024-08-04 16:03:04			False
WPS-02	004 03:29:02	2024-08-12 14:30:13			True

Figure 1: Overview screen

This page reloads its contents automatically.

- Reloading is paused while the user is interacting with the page (e.g. moves the mouse) to not interrupt their workflow.
- The rate of reloading depends on user activity (i.e., if the page loses focus, refreshes are done less frequently)

5.1 View: Overview

The body of this page consists a table of LiDAR units which have appeared online during the past week.

- The units are color-coded in relation to their operational status:
 - **Orange**: offline
 - **Green**: online
- The number shown in the unit count field (**Point 2** - Figure 2: Overview screen) counts the number of displayed units.
- The page title and version are shown under the logo. (**Point 1** - Figure 2: Overview screen)
- Every column has a filter field at the table's header.
 - Use the "?"-icon at the top right corner (**Point 3** – Figure 2: Overview screen) to learn about the filter syntax.
 - Filtering may be cleared with the "Clear filters" button at the top right corner (**Point 3** - Figure 2: Overview screen).
 - The table may be sorted by clicking on a column's title. (**Point 6** - Figure 2: Overview screen)
- Left clicking on a unit takes you to the Event Manager screen about the specific unit. (See chapter 6)
- You may open LiApp in a new tab by right clicking the unit and selecting "Open in LiApp". (**Point 5** - Figure 2: Overview screen)

5.2 Configuring the displayed columns

It is possible to add and remove columns from the view, as well as change their order.

To access the configuration use the *Configure this view* button (**Point 8** - Figure 2: Overview screen). This will spawn a configuration window (Figure 3: Overview configuration window).

- You may enable and disable columns by toggling the checkbox next to their name.
- To reorder columns, drag them to the desired location by dragging-and-dropping them by the arrow on their left side.

- Which columns are available to you depends on user's account's permissions.

Configure View

You are using a custom set of columns.

You will *not* have new columns automatically added to your overview.

Check back here for **new** columns, so that you may add them manually.

Serial Number

Uptime

Last Seen

IP Address

IP Gateway

IP Broadcast

IP Mask

Ethernet MAC address

Turbine ID

Lidar Engaged

Save changes

Reset to defaults

Close

Figure 2: Overview configuration window

6. View: Event Manager

WINDAR NEXUS

WPS-02 - Version A1

User Guide

Welcome, N... Log out?

Active

Logs

Active Events

Code	Description	Type	Timestamp	Action	Snooze
C12L007H	The power supplied to the LIDAR is too high.	Live	2024-08-10 19:28:23	Disconnect the power cable from the LIDAR	5

Light Report

Starting Date

Ending Date

dd/mm/yyyy

dd/mm/yyyy

Create Light Report

Extended Debug Report

Starting Date

Ending Date

dd/mm/yyyy

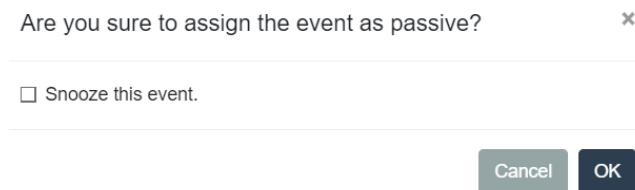
dd/mm/yyyy

Create Debug Report

Figure 3: "Event Manager" view

The header of the page displays the unit's Serial Number. In this page,

- Active events and event log of the current unit can be switched by clicking to Active or Logs tabs. (Point 2 - Figure 3: Overview configuration window *Manager view*)
- Unit serial number can be seen (Point 1 - Figure 3: Overview configuration window *Manager view*)
- Active and historical events can be listed.
- Event can be snoozed by clicking to the checkpoint. (Point 5- Figure 3: Overview configuration window *Manager view*) "Snooze this event" should be selected and OK should be clicked. (Figure 3: Overview configuration window *snoozing confirmation*). Lastly snoozing time should be selected by clicking OK button. (Figure 3: Overview configuration window *snoozing time*).

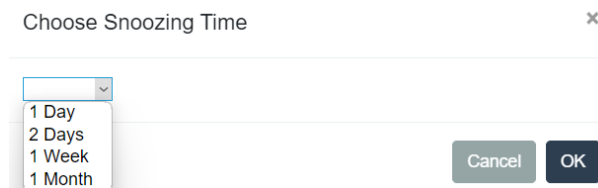


Are you sure to assign the event as passive? ×

☐ Snooze this event.

Cancel OK

- Figure 5: Event snoozing confirmation



Choose Snoozing Time ×

1 Day
2 Days
1 Week
1 Month

Cancel OK

- Figure 6: Event snoozing time

- Light report for the unit can be generated. Starting and ending dates should be provided. "Create Light Report" button should be clicked. (Point 3 - Figure 3: Overview configuration window *Manager view*)
- Extended debug report for the unit can be generated. Starting and ending dates should be provided. "Create Debug Report" button should be clicked. (Point 4 - Figure 3: Overview configuration window *Manager view*)

7. Kayra: Adding Units (For Staff Users)

Kayra can only be accessed by the admin and users having permission of unit administration given by admin. After accessing Kayra, unit administration is possible.

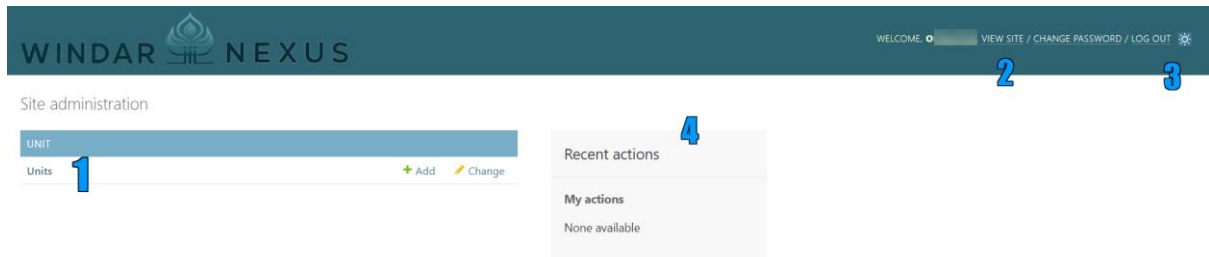


Figure 7: Kayra overview

- Units can be added by clicking to “Units” link. (Point 1 - Figure 2: Overview screen overview)
- Recent actions can be viewed. (Point 4 - Figure 2: Overview screen overview)
- Color theme of the page can be changed. (Point 3 - Figure 2: Overview screen overview)
- Control center can be accessed by clicking “View Site”. (Point 2- Figure 2: Overview screen overview)

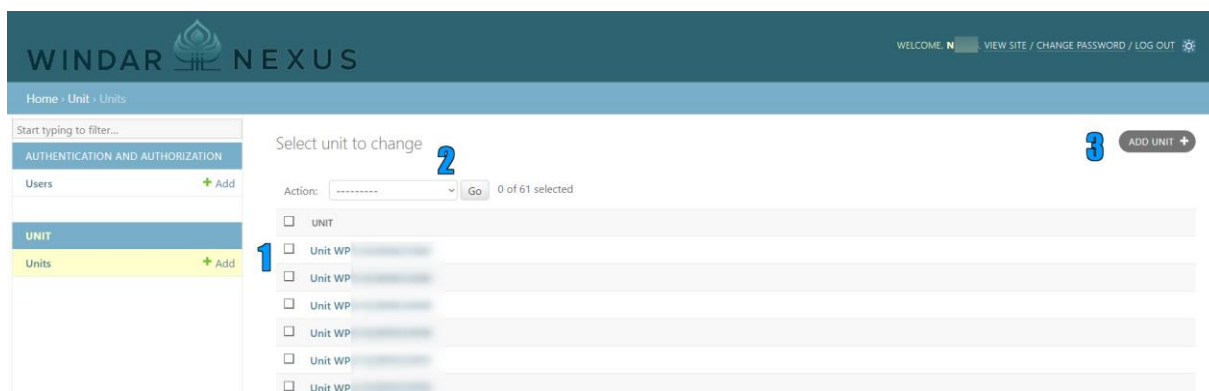
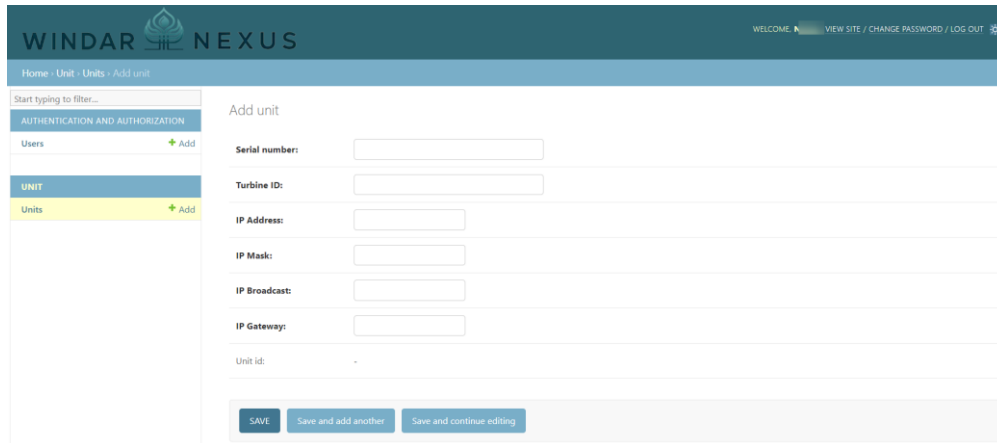


Figure 8: Unit administration page

- Unit database is listed as table. (Point 1- Figure 2: Overview screenUnit administration page)
- Unit addition page can be accessed by clicking “Add Unit”. (Point 3- Figure 2: Overview screenUnit administration page)

- Selected units can be removed by selecting “Delete selected units” from the action list.
(Point 2- Figure 2: Overview screenUnit administration page)
- All the fields should be filled.
- Unit ID is automatically parsed after saving.
- “Save” button should be clicked to save the unit.



The screenshot shows the 'Add unit' page in the Windar Nexus application. The page has a dark blue header with the 'WINDAR NEXUS' logo and user navigation links. A sidebar on the left contains a search bar and a menu with 'AUTHENTICATION AND AUTHORIZATION' (Users), 'UNIT' (Units), and 'Add' buttons. The main content area is titled 'Add unit' and contains several input fields: 'Serial number:', 'Turbine ID:', 'IP Address:', 'IP Mask:', 'IP Broadcast:', 'IP Gateway:', and 'Unit id:'. At the bottom, there are three buttons: 'SAVE', 'Save and add another', and 'Save and continue editing'.

Figure 9: Unit add page