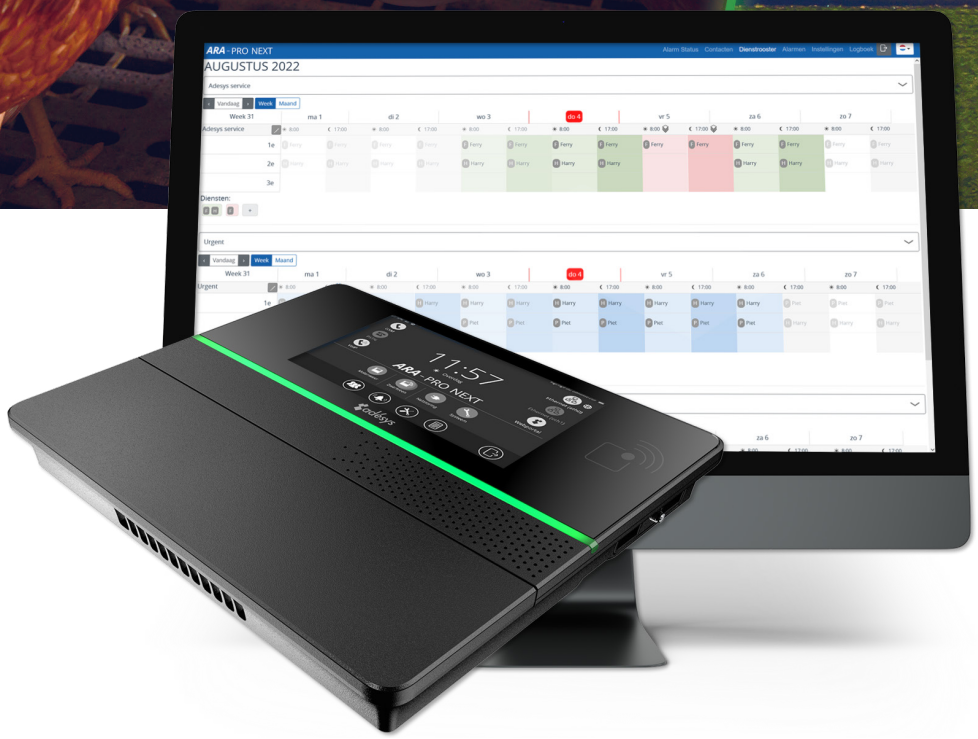
ARA - PRO NEXT

Alarm handling for large number of alerts

with a duty roster for service people



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ARA-Pro Next in a nutshell

Safe and reliable

- Technical network secure and separated from the outside world
- Monitor technical systems with Watchdog monitoring
- Three parallel connections for 3 double certainty (redundancy)
- Secure connections via OpenVPN principle
- Built-in emergency power supply (LiFePO4) for reporting power failures

User-friendly

- ARA-Touch Pro, with VoIP, GSM 4G and PSTN connection, replaces your current ARA PC; no PC needed anymore
- No more separate software licenses: the ARA-Pro Next system consists of the hardware and the software
- Control and visualisation via web browsers, locally or via internet
- Multi-user application: operation and readout by multiple people simultaneously
- Duty roster for service technicians, divisible into service groups
- Flexible working hours of the service groups
- Simple configuration of call lists via alarm categories
- Alarm registration- and handling dashboard: overview of alarm statuses
- Extensive alarm handling log
- Adesys Alarm: free alarm management app for alarm notifications, alarm acceptance, management and configuration of detectors and viewing the status of critical processes directly on your smartphone

Alarmering

- Modern alarm database for processing large numbers of alarms from technical installations
- Automated configuration of locations and alarms
- Grouping of alarms into categories
- Alarm types: calls to fault technicians
  - Automatically generated voice messages (alarm texts can be spoken in 14 languages)
  - Text messages
  - Paging (via SOAP and API)
  - Smartphone app: push alerts with high attention level
- Alarm functions
  - Receiving alarms from external process computers via Adésys standard Octalarm Link (JSON REST API)
  - Linking with the Dupline I/O system (up to 25 modules) so that large quantities of alarm contacts can be connected
  - Receipt of alarm messages from Octalarm-Touch and Octalarm-Touch Pro alarm diallers connected to the same network
  - Receipt of alarm messages from Octalarm-Touch and Octalarm-Touch Pro alarm diallers at remote locations*
  - Increase number of links to the Dupline I/O system (> 25 modules)*

*Extension in a later version

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Monitoring multiple technical installations

ARA-Pro Next is an alarm bank system for processing large numbers of alarms from technical processes. It is used in areas where one single alarm sensor is no longer sufficient.

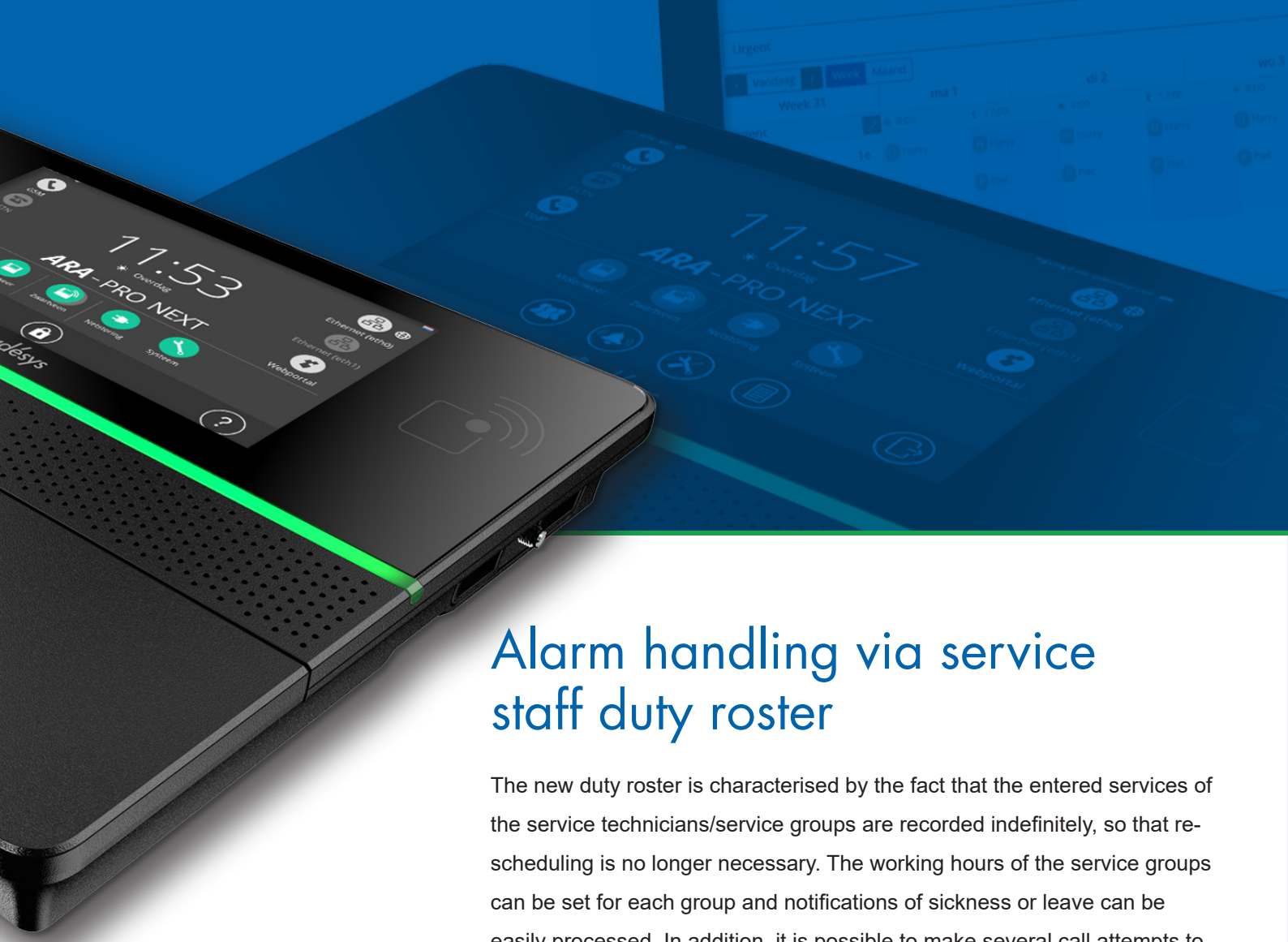
Earlier versions of the ARA-Pro system have long been used in horticulture, the water industry and in building management. The aim is to collect alarms from technical installations and pass them on to service engineers using a flexible duty roster. The call methods are voice messages, app alerts with high attention levels, SMS and paging (via SOAP and API).

Integration of external process computers

Process computers can be connected to ARA-Pro Next via the company network using a REST API. This makes all alarm information from the process computer available in the ARA-Pro Next system. These alarms can then be forwarded with all available alarm information to the service staff, so they know immediately what the problem is. This makes the handling of faults more efficient.

- Climate computers in horticulture
- Climate computers and feed computers in intensive livestock farming
- SCADA systems in water management
- Building management systems

Such links require cooperation with suppliers of process computers. Please contact us for current information on the links already available.



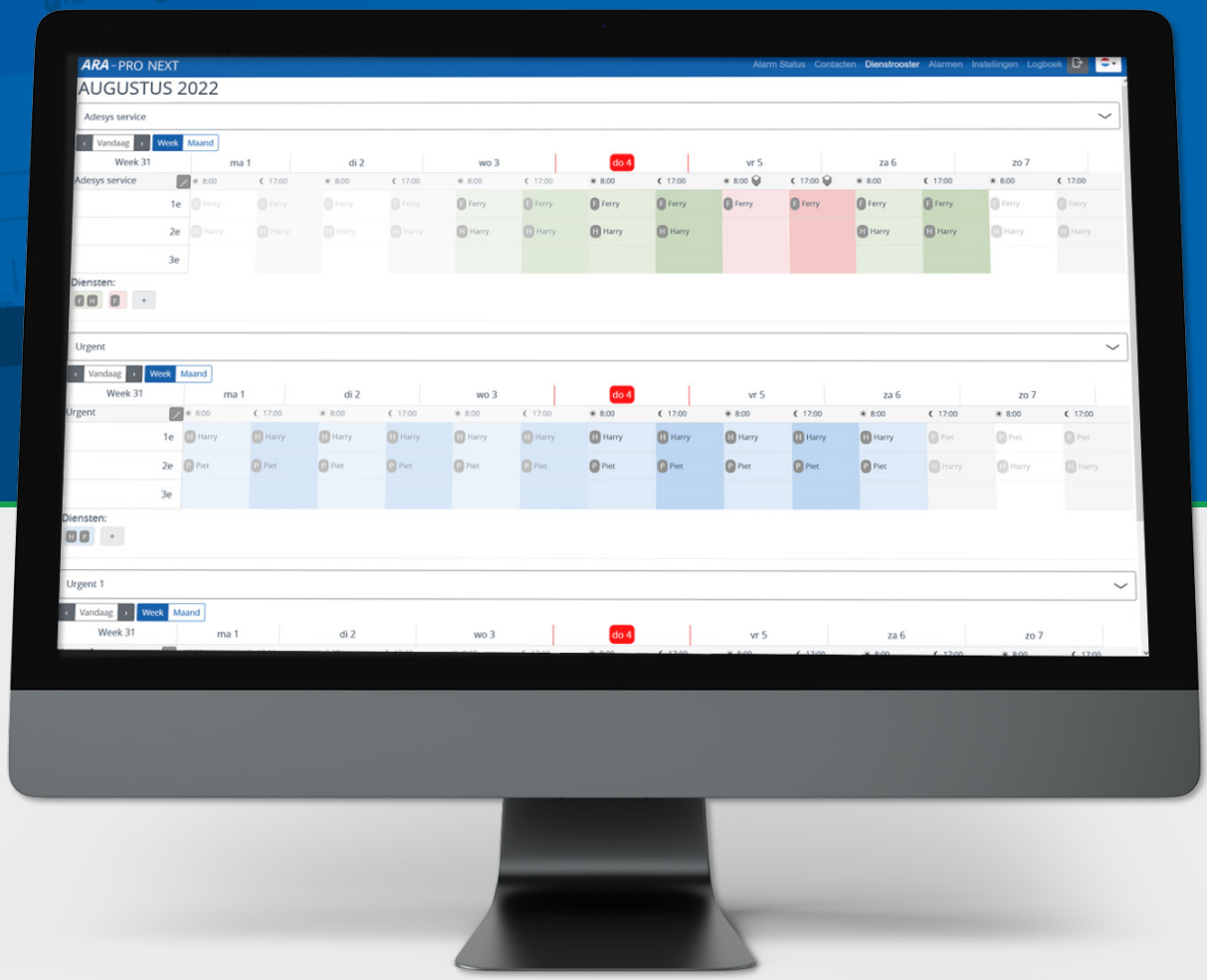
Alarm handling via service staff duty roster

The new duty roster is characterised by the fact that the entered services of the service technicians/service groups are recorded indefinitely, so that re-scheduling is no longer necessary. The working hours of the service groups can be set for each group and notifications of sickness or leave can be easily processed. In addition, it is possible to make several call attempts to one technician, before transferring to the next. This makes reaching the first contact person in line even easier.

Status and alarms directly on your smartphone

The free app ‘Adésys Alarm’ is not only very safe, but also offers great convenience. A special feature of the app is that it can ignore the sound settings of the smartphone if it concerns an urgent alarm. The smartphone will then produce a clearly audible alarm, so that the user always notices it. This makes app alarms suitable for critical alarms.

- High attention level for critical alarms (push alerting)
- Displays current overview of active alarms and statuses
- Settings easily adjusted: manage and configure remote devices from your phone
- Free download in the Apple App Store (iOS) and Google Play Store (Android)



Migrations

ARA-Pro Next is an application that runs on the hardware of an Octalarm-Touch Pro with additional software. This is how the ARA-Touch Pro alarm dialler was created.

From Octalarm-Touch Pro to ARA-Pro Next

Every existing Octalarm-Touch Pro can be converted to an ARA-Touch Pro with an additional licence, so that it can function within the ARA-Pro Next system. Please contact our sales department for this.

From ARA-Pro (version 5) to ARA-Pro Next

Earlier versions of ARA-Pro run on a Windows PC, linked to line interfaces for call traffic. For existing users of ARA-Pro (version 5) a migration of the database, in which all settings are fixed, is possible. This makes the changeover to ARA-Pro Next easier. It is important that you let us guide you through this changeover. Please contact our sales department.

Specifications ARA-Touch Pro

System properties

Connections for calling and management	PSTN (analogue line), UTP for VoIP, GSM
Secure connections	OpenVPN principe
Other connections	I/O bus
Number of alarm inputs	8
Outputs	2 x relay and 2 x open collector
Supply voltage	100 - 240VAC
Built-in emergency power supply	LiFePO4 battery to alert power failure
Alarm dialler access	RFID tag or personal code
Operation and configuration	7 inch capacitive touchscreen and remote access via web browser
Languages	Control interface and spoken messages in 14 languages
Mobile network	LTE Cat 4 FDD LTE: B1/B3/B5/B7/B8/B20 | TDD LTE: B38/B40/B41 | WCDMA: B1/B5/B8 | GSM: 900/1800

Enclosure and operating conditions

Enclosure	Wall mounting / IP42 protection class
Dimensions (W x H x D)	280 x 240 x 42mm
Weight	1360 gram
Operating temperature	0°C ... +50°C
Air humidity	20% - 85% (not condensed)

Alert functions

Alarm types	• Automatically generated spoken messages • SMS and Email messages • Pager (via SOAP and API) • Smartphone app
Alarm functions	• Receipt of alarms from external process computers • Linking with the Dupline I/O system (up to 25 modules) • Receipt of alarm messages from Octalarm-Touch and Octalarm-Touch Pro alarm diallers connected to the same network • Receipt of alarm messages from Octalarm-Touch and Octalarm-Touch Pro alarm diallers at remote locations*. • Increase number of links to the Dupline I/O system (> 25 modules) * • Configurable input delay per input • Reset alarms with personal code • Automatic call repeat • Multiple weekly schedules
Duty schedule	• Service groups with their own shifts • Flexible, repeating working times per service group • Set up temporary (holiday) schedule

*Extension in a later version

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