



Sirrah II Control System



Sirrah II Features

- Software redeveloped with state-of-the-art architecture
- Linux operating system instead of Windows (no annoying auto-updates)
- Parallel operation with the old VCU and the previous decoders and the new VCU II decoder interface and new decoders possible
- Operation of up to 40 sensor decoders with any sensors
- Very low power consumption
- Status feedback from the decoder or solenoid coils (temperature, leakage current, inductance, resistance)
- Control of several VCU II, remotely via the Internet
- Automatic pump calculation and control in automatic and manual mode

Sirrah II Areas of application

AREAS OF APPLICATION

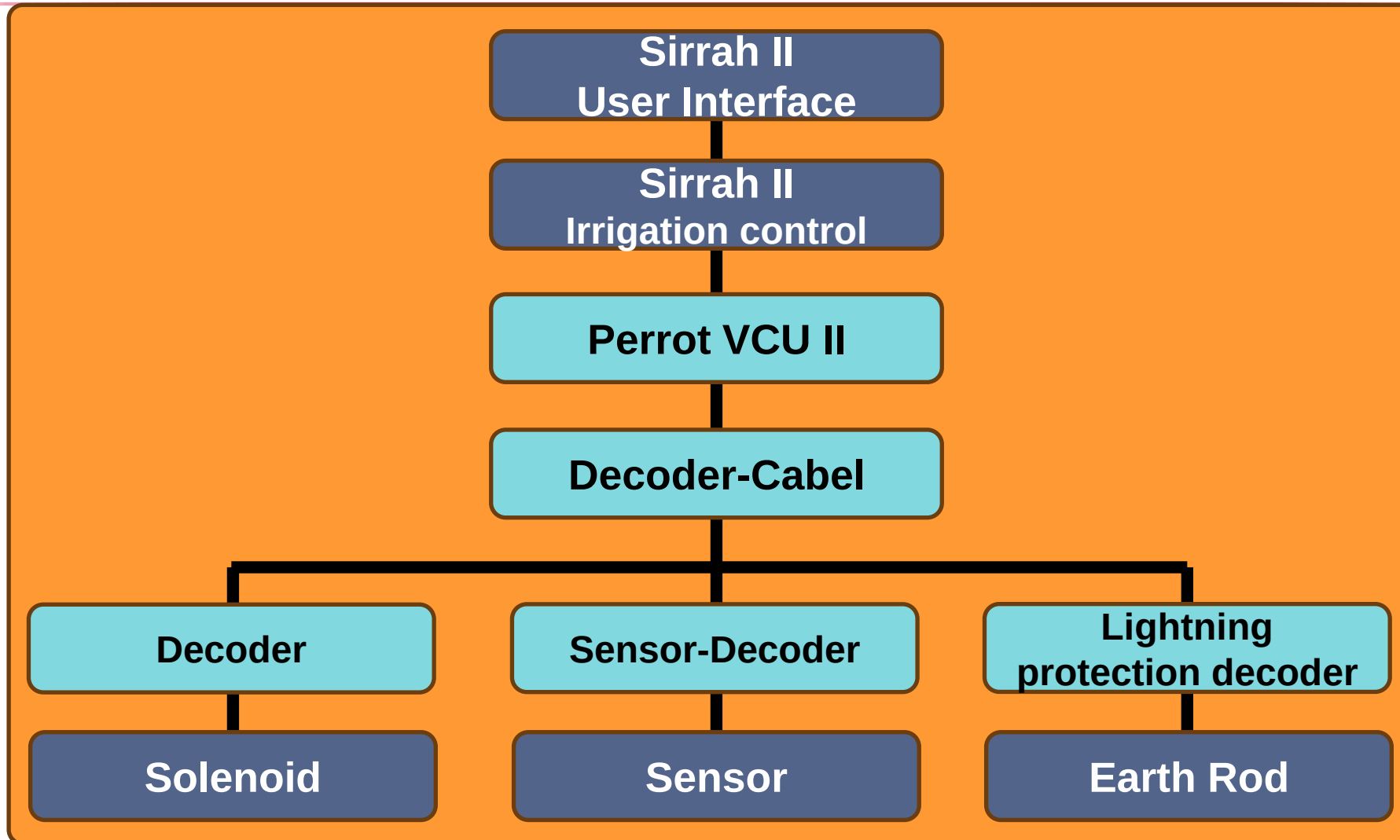
Specially designed for the challenges of a wide variety of systems.

First choice for all systems:

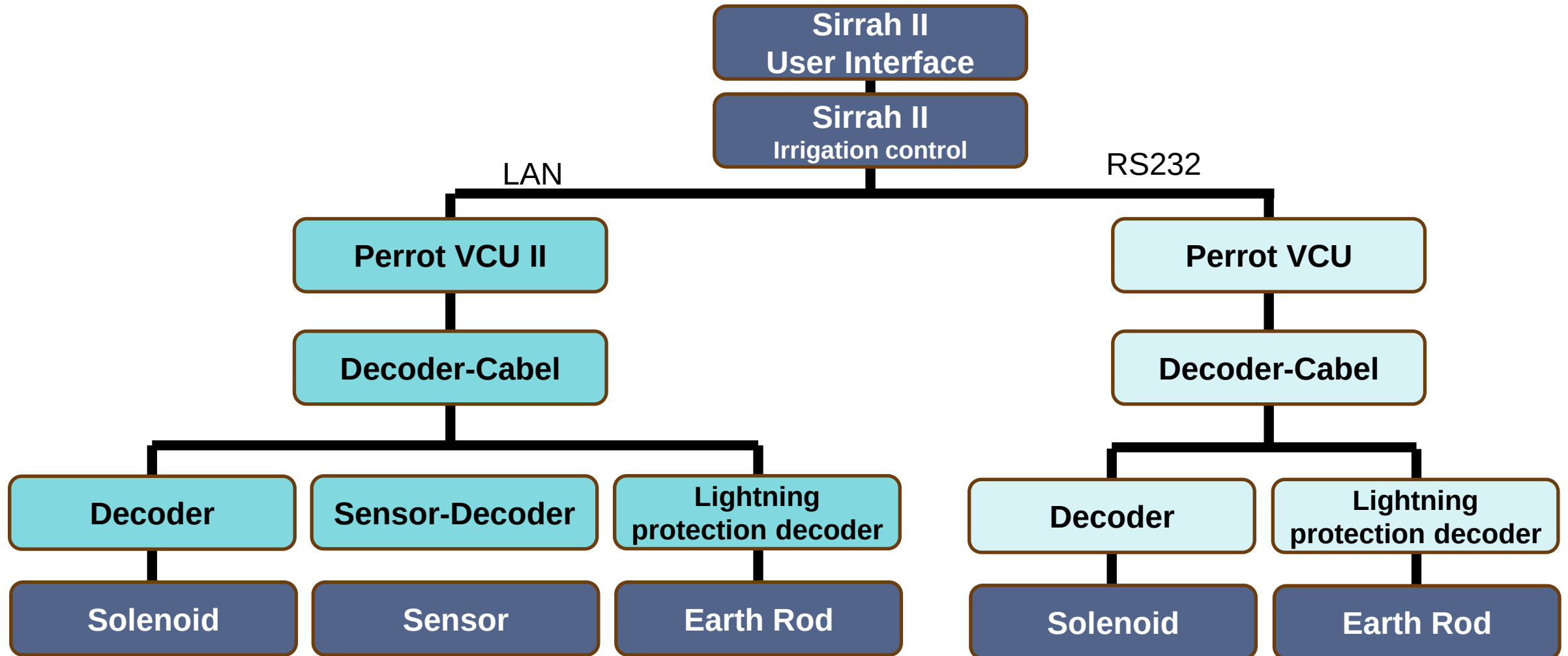
- Golf
- Football / Soccer
- Sports facilities
- Horse race tracks
- Parks
- Gardens



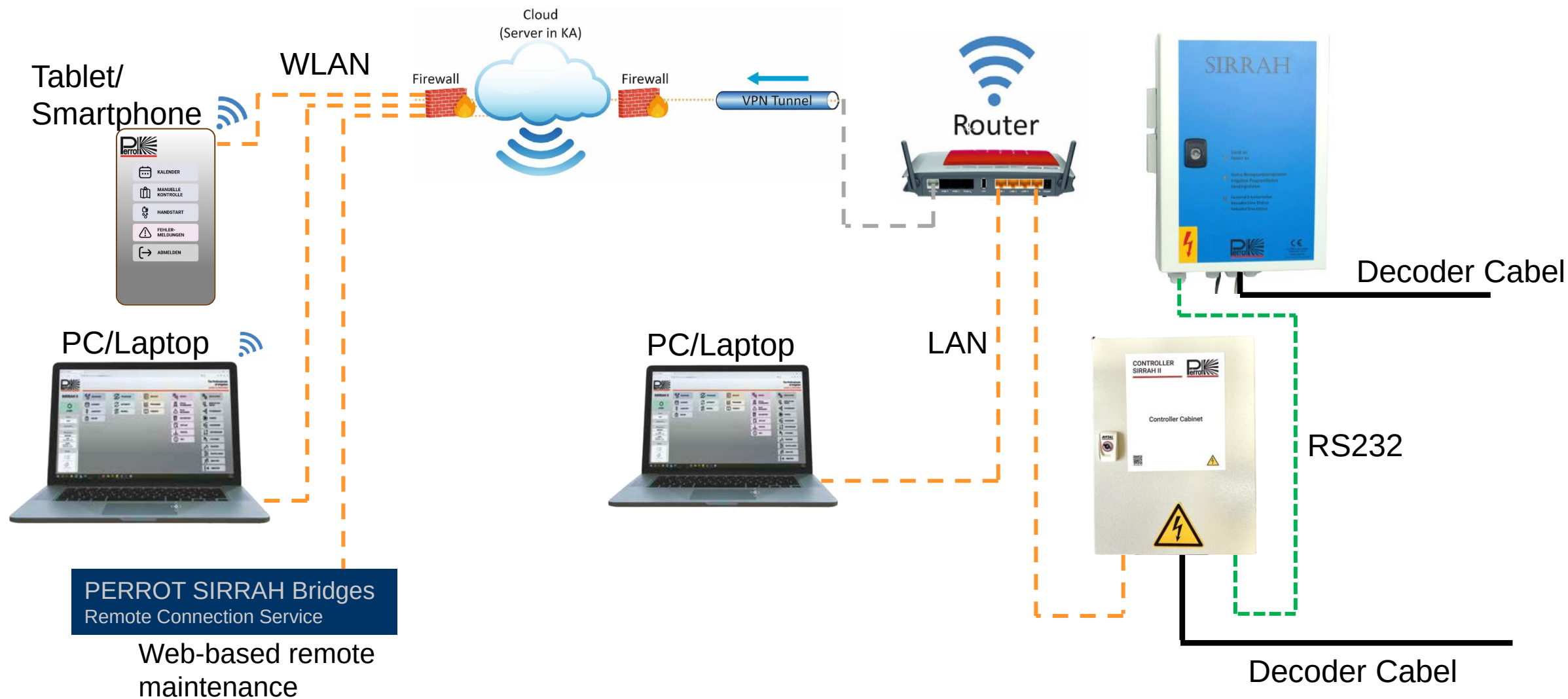
Sirrah II - Scheme only with VCU II



Sirrah II – Scheme with VCU II & VCU



Sirrah II – Scheme with VCU II & VCU



Sirrah II, latest Hardware

Decoder control **VCU II**:
Latest 2-way decoder
communication



New decoders with one, two, four or
six outputs for controlling one 24V AC
coil each



Installation in the
sprinkler



6-station
Decoder

1-station
Decoder

Sirrah II, latest Hardware

Sensor-Decoder

can be parameterized
to any input signal:
(digital, pulse,
frequency, 4-20mA, 0-
10V, ...)



**Lightning protection
decoder** for
connection to the
decoder cable to
discharge induced
overvoltage's via an
earthing spike.



Sirrah II, Bridge-PC

New Bridge-PC:

Powerful industrial mini-computer with several serial interfaces and 2 separate LAN network cards.

LAN 1: Internet

LAN 2: secure connection to the VCU II

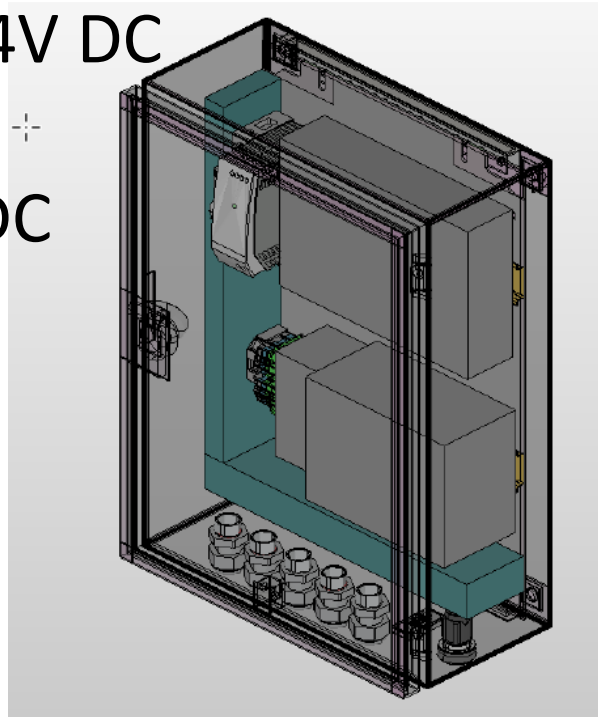
➔ Upgrade of existing systems with Sirrah or Satellite control possible by replacing the bridge PC with Sirrah II



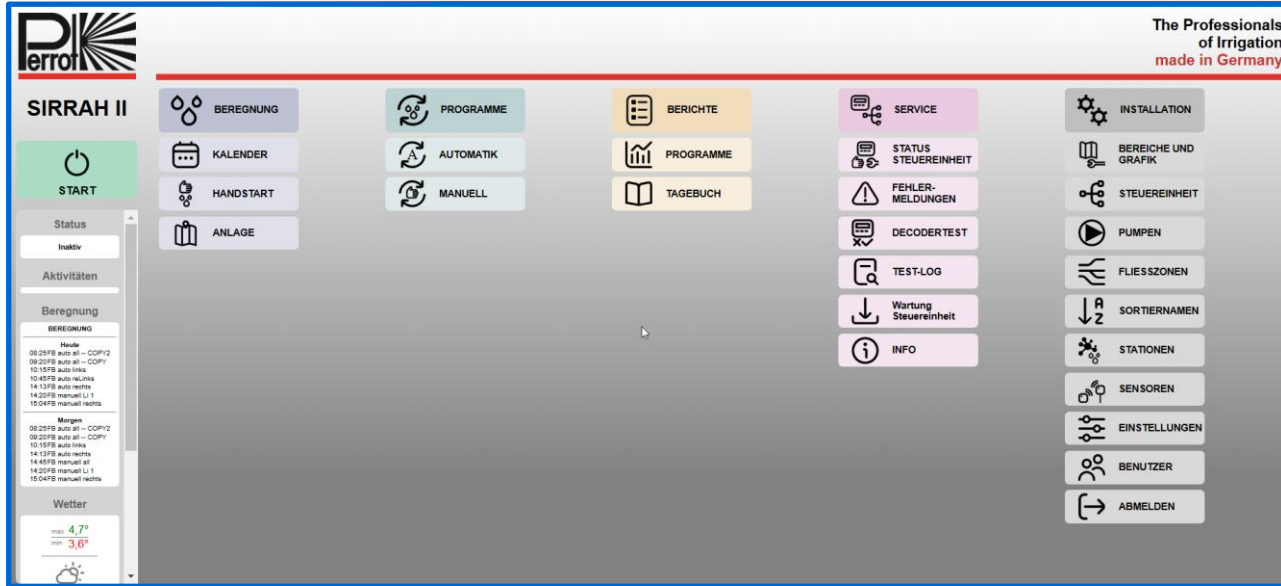
Configuration

Compilation of the components in a control box:

- Bridge-PC
- Bridge-PC Power Supply, 24V DC
- VCU II (valve control unit)
- VCU II Power Supply, 42V DC
- Circuit breaker
- Connection terminals
- Power cable 230V AC

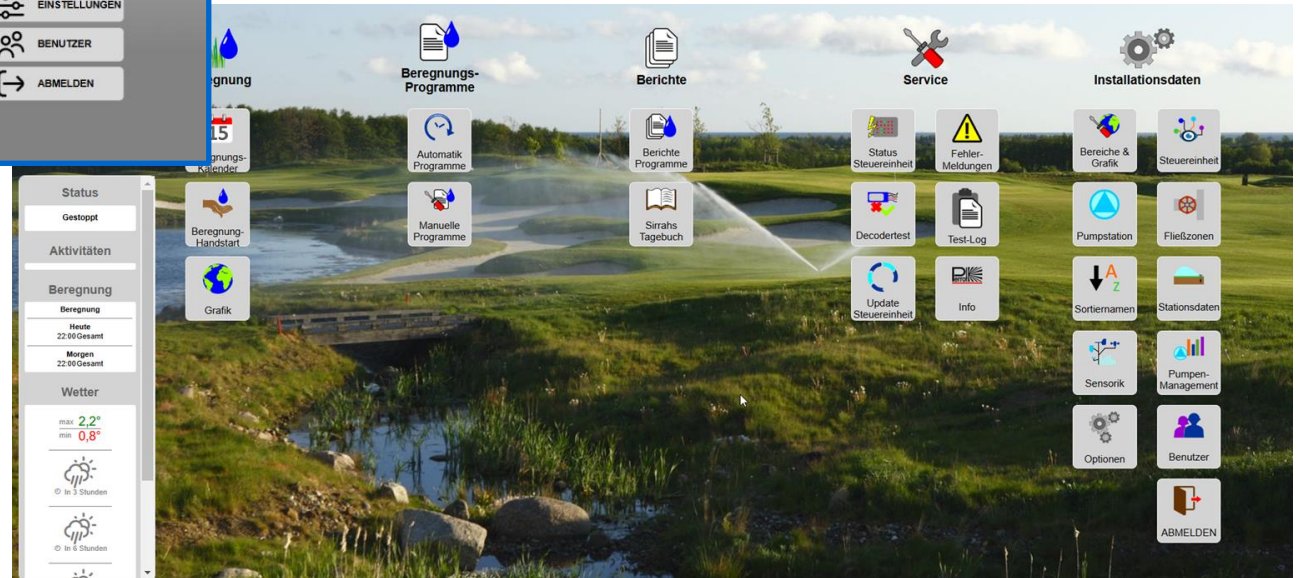


Sirrah II, Graphical user interface GUI



old GUI of Sirrah

GUI with new, modern design and icons



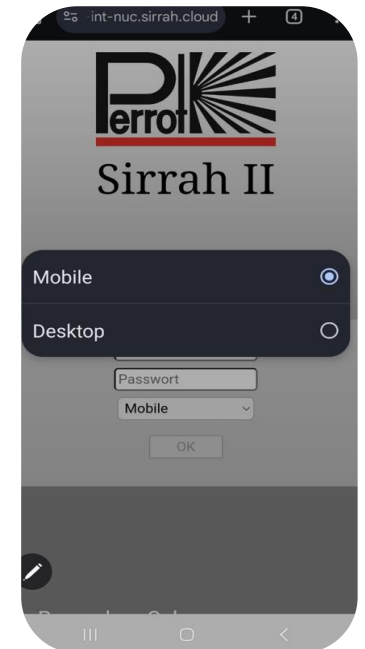
Sirrah II, Login on PC und mobile devices



The PC login interface for Sirrah II features the Perrot logo and the text "SIRRAH II" at the top. Below this, there are two input fields: the first contains "WKadmin" and the second contains two asterisks. An "OK" button is positioned below the input fields. At the bottom left, the text "Regnerbau Calw GmbH" is displayed, and at the bottom right, the website "www.perrot.de" is shown.



The mobile login interface for Sirrah II displays the Perrot logo and "Sirrah II" at the top. It includes three input fields: "Benutzername", "Passwort", and a dropdown menu labeled "Mobile". An "OK" button is located below these fields. The browser address bar shows "int-nuc.sirrah.cloud".



This mobile interface shows the same login fields as the previous one, but with a dark overlay menu open. The menu has two options: "Mobile" with a selected radio button and "Desktop" with an unselected radio button. Below the menu, the "Passwort" and "Mobile" input fields and the "OK" button are visible. The browser address bar shows "int-nuc.sirrah.cloud".

Sirrah II, Overview of main menu on PC



The Professionals
of Irrigation
made in Germany

SIRRAH II


START

Status

Inaktiv

Aktivitäten

Beregnung

Beregnung

BEREGNUNG

Heute

08:00 Golf Bahn 1
08:00FB auto all
09:00 Golf auto Tee
11:00 Golf auto all Relehnf
12:00 Golf man Green
13:00 Golf auto all -- COPY
13:30FB auto links
13:45FB auto rechts
14:35 Golf man Tee
14:00FB man links

Morgen

07:20 Golf auto all
07:45FB man rechts
08:00 Golf Bahn 1
08:00FB auto all
09:00 Golf auto Tee
11:00 Golf auto all Relehnf
12:00 Golf man Green
13:00 Golf auto all -- COPY
13:30FB auto links
13:45FB auto rechts
14:35 Golf man Tee
14:00FB man links

Wetter


BEREGNUNG


KALENDER


HANDSTART


ANLAGE


PROGRAMME


AUTOMATIK


MANUELL


BERICHTE


PROGRAMME


TAGEBUCH


SERVICE


**STATUS
STEUEREINHEIT**


**FEHLER-
MELDUNGEN**


DECODERTEST


TEST-LOG


**Wartung
Steuereinheit**


INFO


INSTALLATION


**BEREICHE UND
GRAFIK**


STEUEREINHEIT


PUMPEN


FLIESSZONEN


SORTIERNAMEN


STATIONEN


SENSOREN


EINSTELLUNGEN

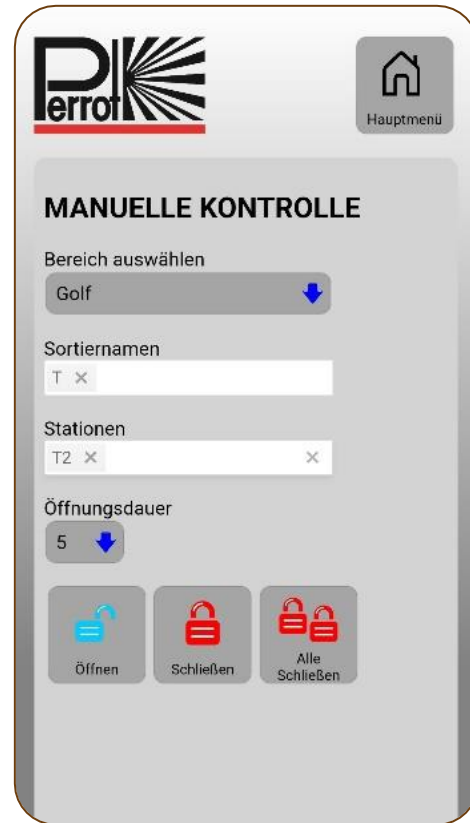

BENUTZER


ABMELDEN

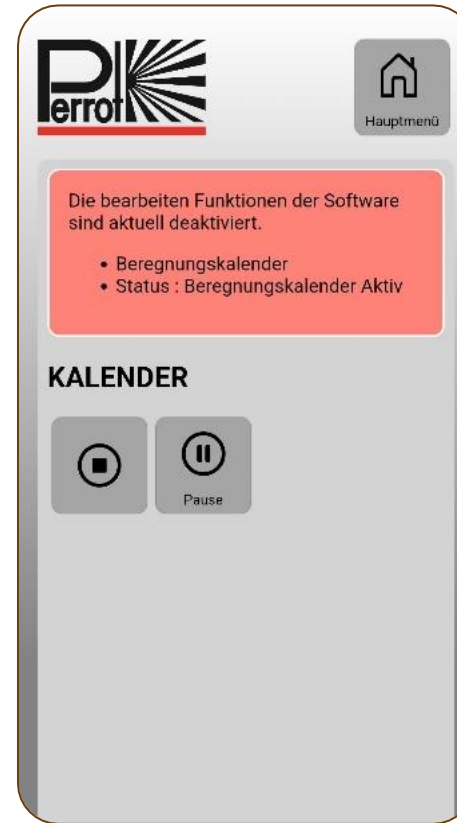
Sirrah II, View on mobile devices



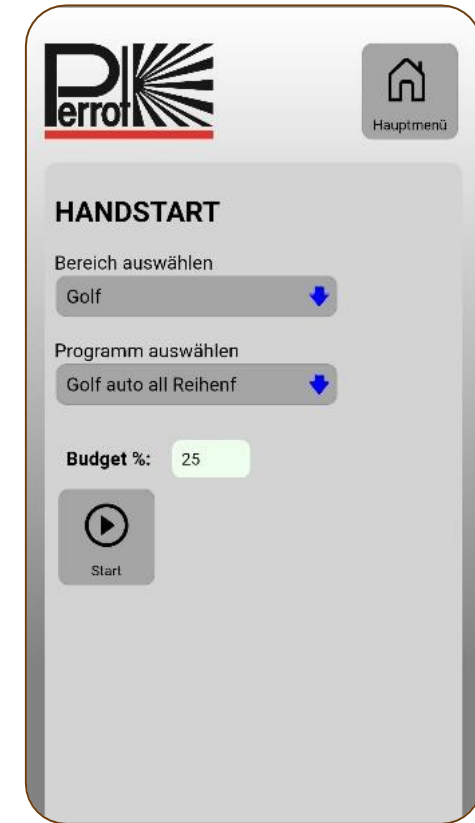
MAIN MENU



MANUALCONTROL
Control stations
individually



CALENDAR
Switch ON, OFF



HANDSTART
Start programs
manually

Sirrah II- GUI, Simple and logical subdivision



- **Irrigation**
 - Switching irrigation on and off via automatic calendar or manual program start
- **Programs**
 - Creating programs, automatic (with irrigation optimization) or manual, without optimization
- **Reports**
 - Reporting of the irrigation process
- **Service**
 - Monitoring, status, error messages
- **Installation**
 - Illustration of the installed system with all information

Sirrah II, Differences to Sirrah, Satellite

	Sirrah II	Sirrah	Satellite
Operating system	Linux	Windows	Win 95-Win 10
Operation	• Web based via Internet	• Web based via Internet	• PC
Decoder interface VCU	• 500 Decoder • 40 Sensors • Expandable	• 250 Decoders • 5 Sensors on VCU • Expandable	• 250 Decoders • 5 Sensors on VCU • Expandable
Manufacture	2025	2017	2002

Sirrah II Control unit Dimensions

Total length: 480 mm
Total width: 300 mm
Total height: 175 mm
Connection cable + plug
Weight : 10,06 Kg

Switch box without
mounting, without screw
connection:

Length: 400
Width: 300
Height: 160

