

Wireless system for underfloor heating/cooling and radiator control

Roth Touchline® SL

Improved

**The future
is in your hand**

With game-changing features
and a brand new design.



Living full of energy

Roth Touchline® SL – S stands for Smart, L stands for Life

The system that meets future demands for better living comfort and well-being

New improved
Roth Touchline® SL

- It takes seconds to
take control.
Comfort meets
efficiency.



Roth Touchline® SL Controller, master – 8 channels

+



Roth Touchline® SL Extension module – 4 channels



Roth Touchline® SL WiFi module



Roth Touchline® SL Controller, extension – 8 channels

+



Roth Touchline® SL Extension module – 4 channels



Smooth and unique design – the next generation “classic” is born

The new updated Roth Touchline® SL system is suitable for individual temperature control in all types of construction with underfloor heating. The system can also be used for radiators using the wireless Roth Touchline® SL radiator actuator. Up to 6 radiator actuators can be controlled by one room thermostat or sensor.

Roth Touchline® SL is an intelligent system for regulating underfloor heating, underfloor cooling, and radiator control. The system has a wide range of smart accessories, among other the Roth Touchline® SL window contact, which ensures that the heating is turned off automatically when opening the window.

The system can of course still be controlled via the Roth Touchline® SL app if expanded with the new improved Roth Touchline® SL WiFi module.

■ Roth Touchline® 4 ch extension

The brand-new Roth Touchline® 4 ch extension, makes it possible to create an extremely affordable alternative 12-channel system as well as more cost-effective solutions using more controllers in larger systems. For convenience, we have made a single pack with a Roth Touchline® controller 8 ch., master, so it is easy to make a 12-channel system.

■ Roth Touchline® SL WiFi module

The new Roth Touchline® SL WiFi module is smaller and has fewer functionalities than the previous one, which makes it a significantly cheaper alternative. The module is set up directly from the master controller and does not require a separate power supply.

■ New possibilities

The new updated Roth Touchline® SL system consists of the new improved Roth Touchline® SL master controller with 8 channels and the new Roth Touchline® SL extension controller with 8 channels. The new system can consist of 1 Roth Touchline® SL master controller, 8 ch wirelessly connected with up to 3 Roth Touchline® SL extension controllers, 8 ch. On top of that each controller can be connected by BUS wire with a Roth Touchline® SL extension module, 4 ch. In larger installations with long distances between the controllers the build-in BUS communication can be used instead of the wireless connection.

Altogether it is possible to connect 192 pcs 230V thermal actuators divided into 48 zones.

Please note that old controllers are not compatible with any new controller.



Roth Touchline® SL WiFi module

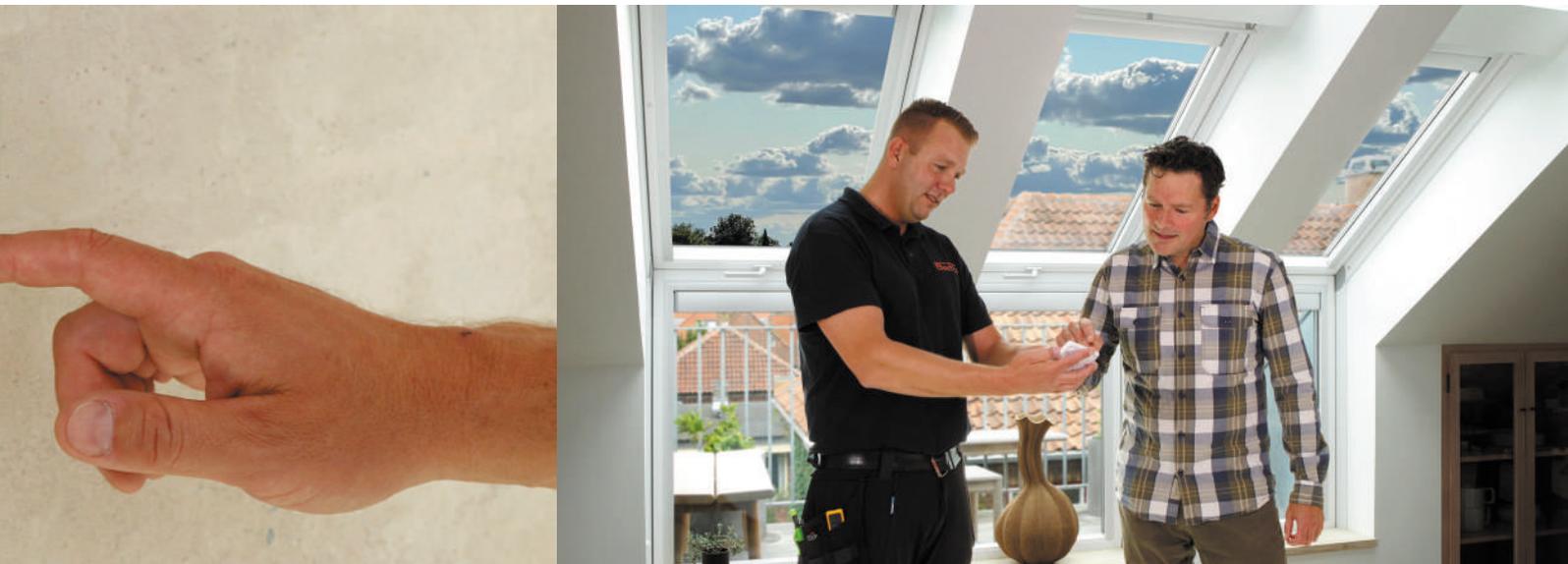
Roth Touchline® SL

The new game-changing features



Get an extremely affordable 12-channel system by combining a Roth Touchline® SL master controller, 8 ch. with a Roth Touchline® SL extension module, 4 ch. For convenience, we have made a single pack with both products, so it is easy to make a 12-channel system.





■ **By-pass for heat pumps**

The new controllers have the possibility to set up one or more zones as a by-pass for heat pumps. This ensures circulation on the heat pump when all circuits are closed, and no zones call for heating. This is shown with clear indication on both the controller and in the app.

■ **Up-to 12 channels at a single thermostat**

It is also possible to register one or all outputs within one controller (maximum 12 channels) to a single room thermostat, whereby it is possible to control many underfloor heating circuits from one thermostat/sensor. It is easy to get an overview both on the display and in the app.

■ **Two integrated ECO inputs**

The improved controllers have two integrated ECO inputs for controlling heating/cooling. One is switching the system automatically between heating and cooling on a signal from the heat pump. The other can stop the heating if an external cooling system starts, thus saving energy.

■ **Min/max limitations per zone**

Now it is also possible to set the min/max limitation for room temperature for each zone compared to earlier, where the limitation was set globally.

■ **Message when battery runs out**

If the battery in a thermostat is running out of power, this is shown on the thermostats with display.

At the same time a push message will be sent through the app including also other sensors and devices. [Not yet implemented]

■ **DIN rail as standard**

All controllers come standard with a DIN rail for easy mounting.

■ **Roth Touchline® SL app**

The Roth Touchline® SL app offers wireless control, monitoring, alarm notifications and voice control.

- Total control of underfloor heating/cooling and radiator systems in all connected rooms and homes
- Monitoring of pump status and voltage free relay
- Easy switching between operating modes
- Easy time programming
- Control and monitoring of sensors and thermostats
- Monitoring of window contacts, radiator actuators and outdoor sensor
- Statistics display with the option to monitor e.g., temperature fluctuations and operational disturbances.
- Voice control operation – compatible with Google Home and Alexa

Download the Roth Touchline® SL app. See to the left.

Roth Touchline® SL – System overview

Roth Touchline® SL system overview		
 <p>HVAC No: 7466397058</p>	<p>Roth Touchline® SL controller, master – 8 ch.</p> <p>8 zones, with the possibility of connecting up to 3 extension modules, 8 ch plus 4 extension modules, 4 ch. to get 192 230V thermal motors in 48 zones.</p>	<ul style="list-style-type: none"> > Bypass function for heat pumps securing circulation of heat pump when all circuits are closed. Higher efficiency of heat pump. > Connecting more outputs to one zone / thermostat allowing more circuits in the same room. Higher flexibility. > ECO input to stop heating upon external cooling. Energy savings. > Min/max limitation of room temperature for each zone. Room temperature cannot be set outside this limit. > BUS wiring possible between controllers in larger installations. > DIN rail for easy mounting as standard.
 <p>HVAC No: 7466397068</p>	<p>Roth Touchline® SL controller, extension – 8 ch.</p>	<p>NB: Old controllers are not compatible with any new controller or new 4 ch extension</p>
 <p>HVAC No: 7466397054</p>	<p>Roth Touchline® SL extension module – 4 ch.</p>	<ul style="list-style-type: none"> > To be combined with 8 ch. controllers. > Possible to make a 12 ch. solution at a much lower cost than 8 ch. master and 8 ch. extension. > DIN rail for easy mounting as standard.
 <p>HVAC No: 7466397062</p>	<p>Roth Touchline® SL controller, master – 8 ch. and Roth Touchline® SL extension module – 4 ch.</p>	<ul style="list-style-type: none"> > Delivered in a single package
 <p>HVAC No: 7466397074</p>	<p>Roth Touchline® SL Controller 4 ch, WiFi</p>	<p>4 zone UFH controller</p> <ul style="list-style-type: none"> > Expand to control 4 additional rads > Control on SL app > Compatible with full range of Roth smart home accessories
 <p>HVAC No: 7466397180 HVAC No: 7466397181</p>	<p>Roth Touchline® SL Standard room thermostat – White or black</p>	<ul style="list-style-type: none"> > Wireless and with display > Easy setting of temperature via touch buttons > Humidity sensor enabling reading of the humidity (RH) in the display of the thermostat. (Used as a reference when the system is set in cooling mode) > Clear indication when battery is running out of power
 <p>HVAC No: 7466397170 HVAC No: 7466397181</p>	<p>Roth Touchline® SL room thermostat X – White or black</p>	<ul style="list-style-type: none"> > Prolonged battery life up to 4 years > Easy temperature setting via touch buttons > Access to advanced settings via menu button > Digital display for easy overview > Compatible with all generations of Roth Touchline® SL and Roth Touchline® PL controllers
 <p>HVAC No: 7466397160 HVAC No: 7466397161</p>	<p>Roth Touchline® SL room thermostat IR – White or black</p>	<ul style="list-style-type: none"> > Infrared floor sensor for precise warmth > Dual temp regulation for ultimate control > Ideal for renovations - no intrusive wiring > Wireless convenience for flexible control
 <p>HVAC No: 7466397190</p>	<p>Roth Touchline® SL Plus room thermostat – White</p>	<ul style="list-style-type: none"> > Wireless and with large display > Easy setting of temperature via touch buttons > Humidity sensor enabling reading of the humidity (RH) in the display of the thermostat. (Used as a reference when the system is set in cooling mode) > Clear indication when battery is running out of power
 <p>HVAC No: 7466397305</p>	<p>Roth Touchline® SL antenna</p>	<p>Used in adverse locations of the controllers, e.g. inside UFH cabinets.</p>

Roth Touchline® SL system overview

 <p>HVAC No: 7466397400</p>	<p>Roth Touchline® SL repeater</p>	<p>Can repeat signals between room thermostats and controllers in buildings with adverse transmission conditions</p>
 <p>HVAC No: 7466397580</p>	<p>Roth Touchline® SL room sensor White sensor without buttons and display.</p>	<p>The sensor measures the actual temperature in the room. Temperature and settings are easily read/changed via the display on the controller or the app.</p>
 <p>HVAC No: 7466397560</p>	<p>Roth Touchline® SL room sensor mini With humidity sensor. White sensor without buttons and display. The front is glossy white.</p>	<p>The sensor measures the actual temperature in the room. Temperature and settings are easily read/changed via the display on the controller or the app. The relative humidity is read either via the display on the controller or the app.</p>
 <p>HVAC No: 7466397525</p>	<p>Roth Touchline® SL floor sensor Used with Roth Touchline® SL Standard room thermostats and Plus thermostat. The cable length is 2.5 meters.</p>	<p>Can be used together with Standard or Plus room thermostats to ensure a comfort temperature on the floor or as a maximum temperature limiter.</p>
 <p>HVAC No: 7466397450</p>	<p>Roth Touchline® SL radiator actuator Used for regulating radiator valves. Optional adapters for different valve brands.</p>	<p>Wireless actuator to be used on radiators controlled by room thermostats or sensors. Up till 6 actuators on one thermostat is possible.</p>
 <p>HVAC No: 7466397640</p>	<p>Roth Touchline® SL outdoor sensor Used when a simple weather-compensated, wireless control with outdoor sensor is required.</p>	<p>Wireless outdoor sensor to be connected to the master controller. Makes it possible to save energy based on monitoring of the outdoor temperature.</p>
 <p>HVAC No: 7466397600</p>	<p>Roth Touchline® SL window contact Used on windows and doors.</p>	<p>Shuts off the heat in the room when the window or door is opened to ensure a minimum of heat loss. Wireless communication.</p>
 <p>HVAC No: 7466397620</p>	<p>Roth Touchline® SL valve module To control a mixer unit for heating or cooling applications.</p>	<p>Offers an advanced "heating by demand" functionality and advanced cooling functionality in combination with the master controller.</p>
 <p>HVAC No: 7466397002</p>	<p>Roth Touchline® SL WiFi-module Wireless control and monitoring of the system via the Internet. Up to 30 m indoor range.</p>	<ul style="list-style-type: none"> > Easy set-up via master controller. > Lower price. > Does not require separate power supply
 <p>Roth Touchline® SL</p>	<p>Roth Touchline® SL app Total control of underfloor heating/floor cooling and radiator systems in all connected rooms and homes</p>	<ul style="list-style-type: none"> > Total control of underfloor heating/cooling and radiator systems in all connected rooms and homes > Monitoring of pump status and voltage free relay > Easy switching between operating modes > Easy time programming > Control and monitoring of sensors and thermostats > Monitoring of window contacts, radiator actuators and outdoor sensor > Statistics display with the option to monitor e.g., temperature fluctuations and operational disturbances > Voice control operation – compatible with Google Home and Alexa > Overview of output configuration

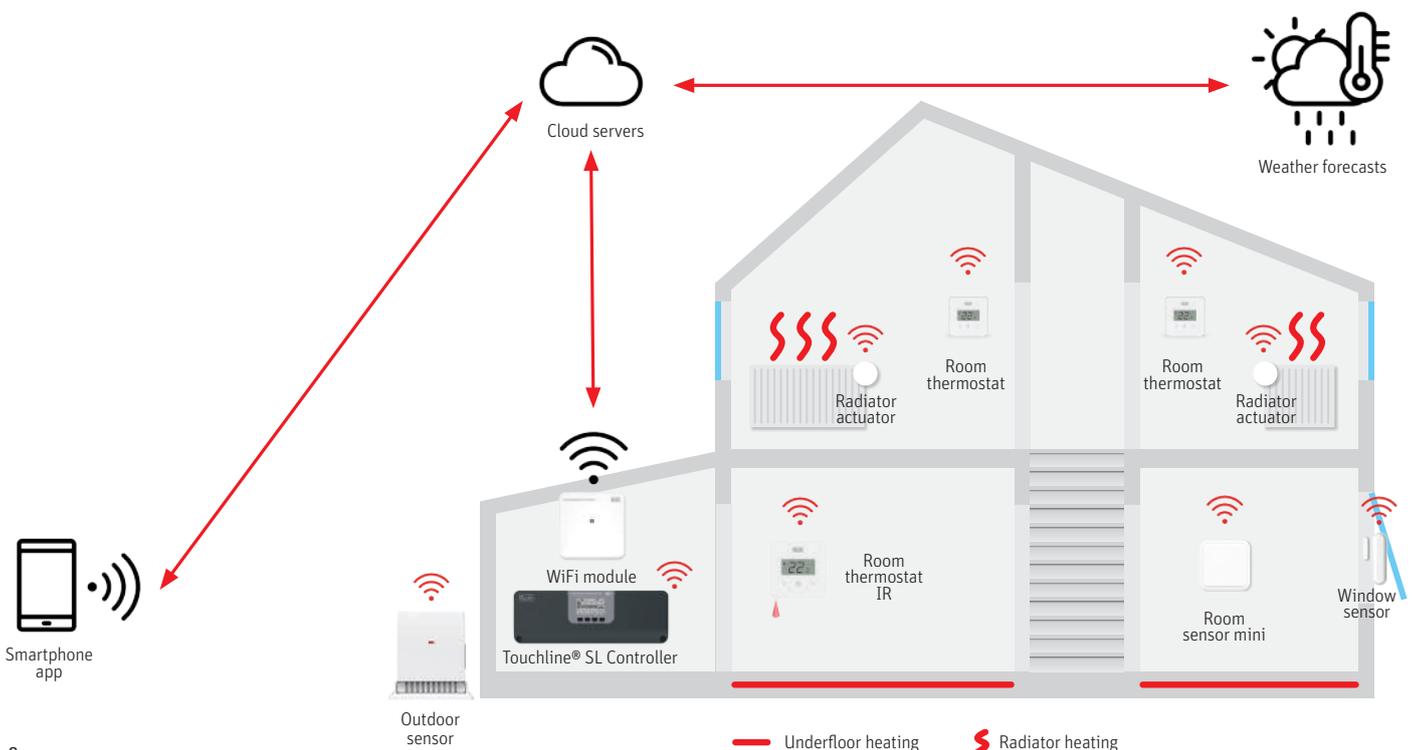


This is how the system works – from a distance

■ The cloud-based system

A system based on an accessible cloud server solution makes it possible to control all Roth Touchline® SL SmartHome devices remotely. No matter where you are – at home on the couch watching TV or tracking outside in a forest on a rainy day – the Roth Touchline® SL system enables a whole range of benefits making the day and the comfort in your home more pleasant.

- > The cloud based remote accessing is via the Roth Touchline® SL WiFi module.
- > The Roth Touchline® SL app is downloaded free of charge from App Store or Google Play.
- > Remote control of the system from inside the house or from a far distance.
- > Automatic regulation of room temperature based on weather forecasts (optional).





This is how the system works – from inside the house

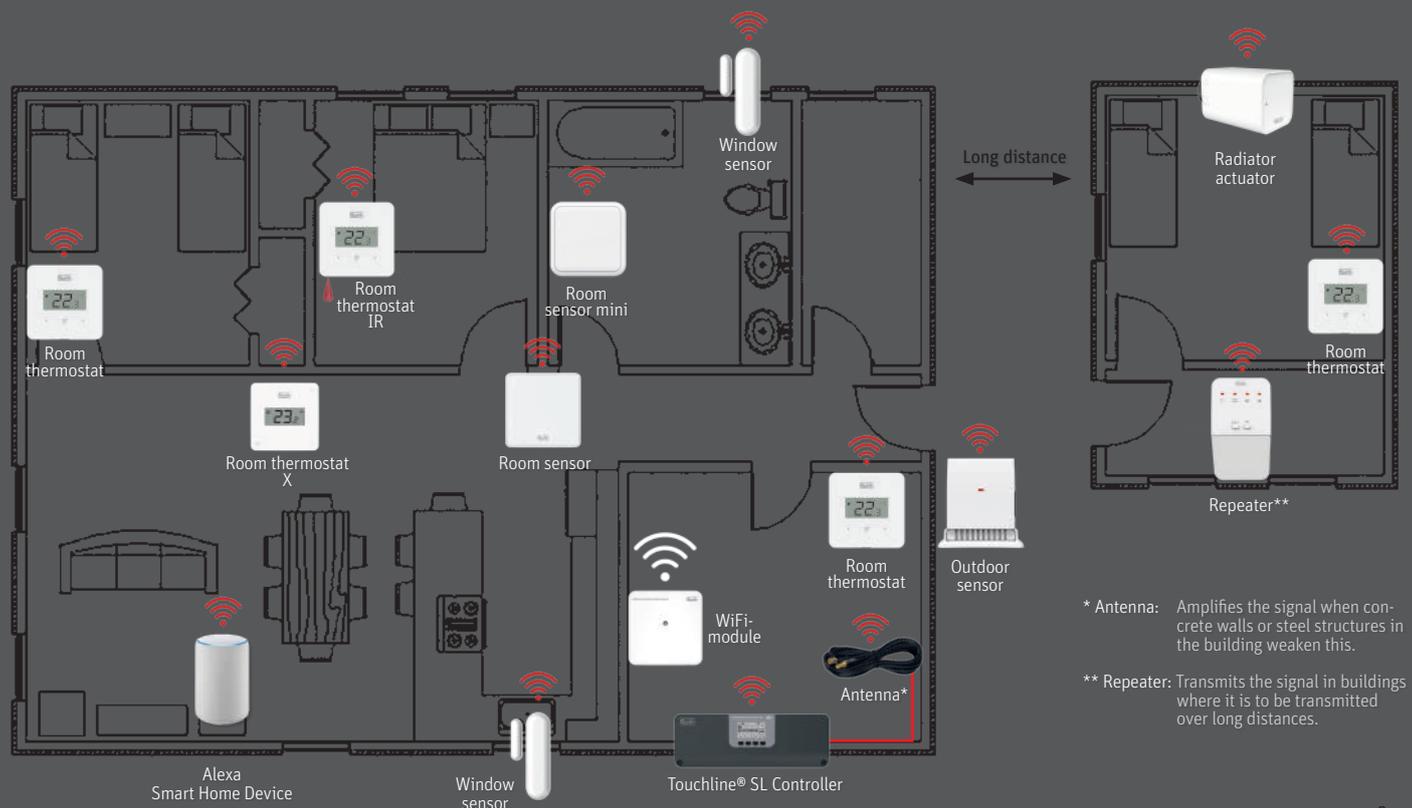
■ Roth Touchline® SL SmartHome system

The Roth Touchline® SL SmartHome components communicate individually and change status on command. All elements correspond perfectly and the system can be expanded inside the house and beyond.



■ Roth Touchline® SL – the future-proof system

The Roth Touchline® SL system is a SmartHome system that can communicate with other SmartHome devices in the house through Alexa or Google assistant.



Roth Touchline® SL

– The intuitive system



The Roth Touchline® SL Your toolbox now. To be expanded soon.

■ Easy installation, high reliability – can you ask for more?

The new Roth Touchline® SL is for either new-build or for upgrading an existing heating system. If you upgrade a system, you only have to replace the controller and the thermostats.

- > No need to turn off the mains in the house.
- > No plumbing or replacing of pipes and hoses.
- > No cables because the system is wireless.

■ The intelligent system

- > It is still easy for you to connect the control unit and the thermostats, just as your customers also have easy access to daily operation and overview.
- > Adjusting the temperature either directly on the thermostats or through the Roth Touchline® SL app. The app can be downloaded from Apple App Store or Google Play.
- > Display on Smart thermostats with icons, help instructions and warnings for easy operation and overview. Guiding texts give you all the information you need for a quick setup during installation.
- > Roth Touchline® SL Smart thermostats with built-in humidity sensor used in cooling mode. Also informs that it is time for venting.

■ All the well-known benefits from the existing Touchline® SL system

- > Master/extension function for combining max 4 controllers to obtain up to 48 zones.
- > Up to 48 zones by combining with the new 4 ch extension module
- > Intelligent pump stop ensuring open valves before pump start-up.
- > Weekly valve and pump check: If the system is not used valves and pump are briefly activated to avoid jamming.
- > Automatic change-over between heating and cooling when set temperature is reached.
- > Potential free control of heating source: Heating source starts upon request from the underfloor heating regulation system.
- > Weather forecast access through thermostat
- > Historical data access
- > Time programme that automatically starts heating/cooling to achieve a desired temperature at a specific time.

Roth Touchline® SL

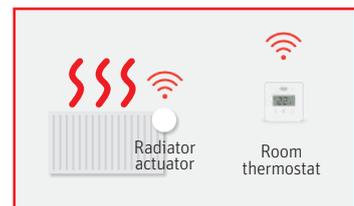
– The newest member of the Touchline SL family



Roth Touchline® SL Controller 4 ch, WiFi



4 zones (upto 6 rads per zone)



4 zones (upto 12 loops)



Control underfloor heating in 4 zones and even expand to 4 radiator zones, all at an affordable price

- › Expand control to 4 additional radiators for a comprehensive heating solution
- › Remotely manage underfloor heating with the Roth Touchline® SL app
- › Using the full range of Touchline SL room thermostats and sensors
- › Compatibility with Roth Touchline® SL Smart accessories, including radiator actuators and window contacts

We're here to help.

Roth UK Technical Support

We know how important it is for you as an installer that you know the product thoroughly and feel comfortable installing it so that you can leave the customer with peace of mind and a system that just works.

We have trained staff who are ready to provide you with any help regarding our products. They can be reached either by email or phone.



ROTH UK Ltd

Enterprise House
Barracks Road
Stourport-On-Severn
Worcestershire
DY13 9RW
Phone +44 (0) 1905 453424
E-Mail enquiries@roth-uk.com
technical@roth-uk.com
orders@roth-uk.com
accounts@roth-uk.com

roth-uk.com

In partnership with:



**Secon Solar Limited,
Unit F, Colima Avenue,
Sunderland Enterprise Park,
Sunderland, SR5 3XB**

**Tel: 01915166554
Email: info@seconrenewables.com
Website: seconrenewables.com**