

# FEED-IN MANAGEMENT FOR COMMERCIAL SOLUTIONS

With Fronius Tauro and Plant Controller meteocontrol / Solar-Log

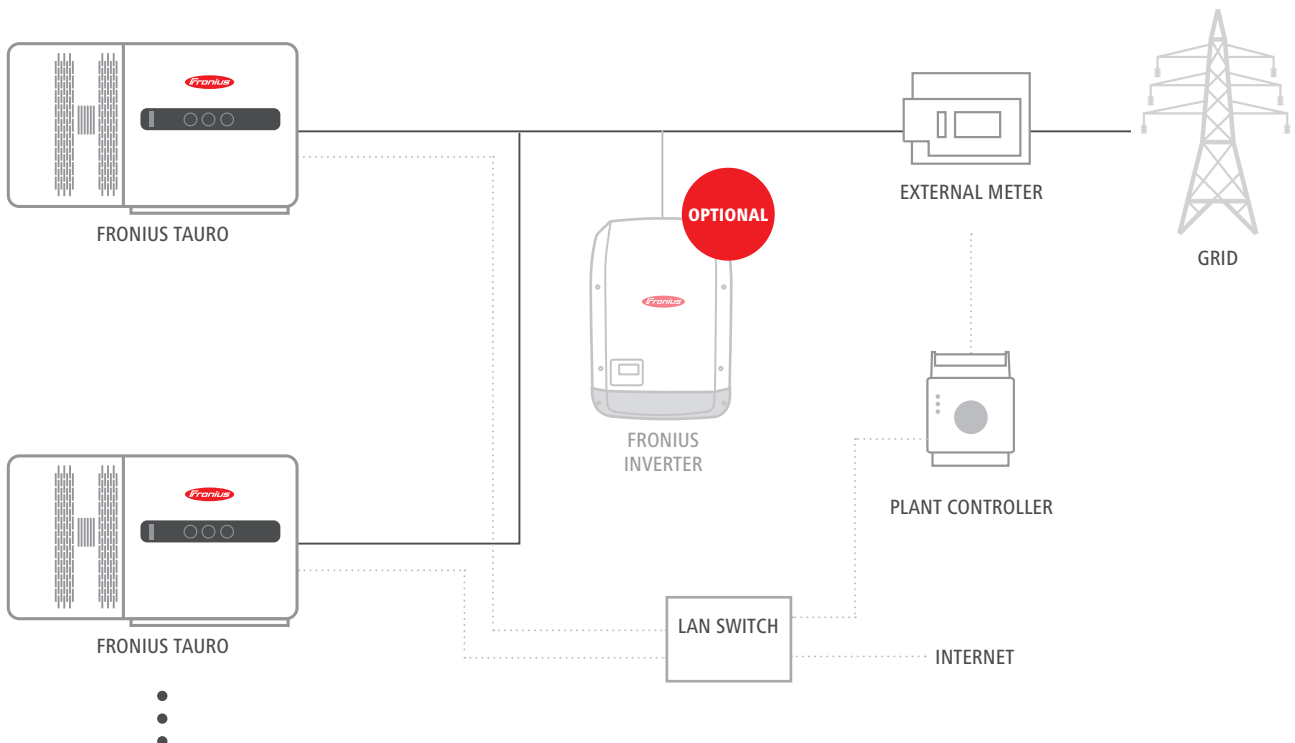
## THE ADVANTAGES AT A GLANCE:

- / Custom-fit solution for commercial systems
- / Control and monitor your PV system centrally
- / Easy integration through interfaces integrated as standard
- / Plug & play
- / Grid-compliant feed-in management
- / Communication with grid operator
- / Optional safety functions



- 1 Fronius Inverter
- 2 Plant Controller

## CONFIGURATION DIAGRAM:



## WHAT IS NEEDED TO IMPLEMENT THE FEED-IN MANAGEMENT SOLUTION?

| DEVICE                            | TYPE   | NOTE   |
|-----------------------------------|--|--|
| INVERTER                          | Any Fronius inverter   | Fronius Tauro (ECO)<br>Fronius GEN24 & GEN24 Plus<br>Fronius SnapINverter from Datamanager 2.0   |
| PLANT CONTROLLER SYSTEM           | <p><b>Solar-Log</b><br/>Solar-log Base series (15, 100, 2000)</p> <p><b>meteocontrol</b><br/>BlueLog X series</p>          | <p>You can find further details on Solar-Log and meteocontrol at <a href="http://www.solar-log.com">www.solar-log.com</a> or <a href="http://www.meteocontrol.com">www.meteocontrol.com</a>*</p> <p>* Compatible with other third-party suppliers that are SunSpec compliant. More information can be obtained directly from the Plan Controller System supplier.</p>  |
| EXTERNAL METER                    | JANITZA UMG 604 or similar   | <p><b>Solar-Log</b><br/>For effective power control:<br/>/ Solar-Log meter<br/>/ Various meters from third party suppliers<br/>For increased current measurement capability or reactive power control:<br/>/ Solar-Log Utility Meter<br/>More information at <a href="http://www.solar-log.com/">www.solar-log.com/</a></p> <p><b>meteocontrol</b><br/>For direct measurement up to 63 A:<br/>/ Schneider Electric IEM 3155<br/>For increased current measurement capability:<br/>/ Janitza UMG 512 Pro<br/>/ Janitza UMG 604-E Pro<br/>/ Janitza UMG 96RM-EL<br/>/ Schneider Electric IEM 3255<br/>More information at <a href="http://meteocontrol.com/">meteocontrol.com/</a></p> |
| LAN SWITCH / DISTRIBUTOR          | Dependent on the required connections<br>Important: connection for Plant Controller as well as connection to the Internet. |  |
| POWER SUPPLY                      | 24 V power supply unit   | <b>Solar-Log</b><br>Optional 12 V power supply unit possible.  |
| INVERTER COMMUNICATION            | Cable connection (from CAT5)<br>Via Modbus TCP   | Fronius inverters (Tauro ECO or GEN24/GEN24 Plus) are connected to the Plant Controller via Modbus TCP. Each individual inverter must be connected to the LAN switch.  |
| COMMUNICATION CONNECTION TO METER | Cable connection (from CAT5) via Modbus TCP<br>or<br>Cable connection (from CAT5) via Modbus RTU (RS 485)                  | The type of Modbus connection depends on the meter used.   |

| DEVICE   | TYPE  | NOTE  |
|--|---|---|
| SNAPINVERTER INTEGRATION <div data-bbox="268 272 360 370" style="background-color: red; color: white; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-left: 10px;">             OPTIONAL           </div> | Cable connection (from CAT5) via Modbus TCP | <p>When integrating Fronius SnapINverters, for <b>Solar-Log</b> each inverter must be connected to Datamanager 2.0 via Modbus TCP.</p> <p>For <b>meteocontrol</b>, at least one of the SnapINverters must have a Datamanager 2.0. Additional SnapINverters can be connected in the system via a Fronius Solar Net ring (max. 6 SnapINverters per ring).</p> |
| MONITORING   | Fronius Solar.web                           | In the case of these system solutions with Plant Controllers, the consumption and feed-in data on the low voltage side can be visualised in Fronius Solar.web with the help of a Fronius Smart Meter.   |

Take a look at our reference to see a great example of our feed-in management solutions in practice:

AUSTRIA  
REFERENCE:



**24**  
HOURS OF SUN

**APPROVED**

## COST-EFFECTIVE AND ECOLOGICALLY SUSTAINABLE:

The Fronius Tauro is an important step closer to our vision of 24 hours of sun.

Sustainability is a top priority throughout the entire product life cycle of the Tauro.

The following facts speak for themselves:

- / Replacing the power stage set avoids the need to replace the device
- / Smart hardware design reduces the number of essential, additional components
- / Longer service life thanks to the active double-walled cooling technology



/ Perfect Welding / Solar Energy / Perfect Charging

### THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 5,660 employees worldwide and 1,321 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com)

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