LRI®

AUTOMAÇÃO INDUSTRIAL · BRASIL

• PRODUCT PORTFOLIO

The complete LRI portfolio. Brand by brand.

A quick introduction to LRI and the complete list of product lines from every mini-site, with the address to check models, datasheets and request a quote.

Navegantes · Santa Catarina · Brazil

November 2026

• LRI IN ONE MINUTE

Industrial electronics in Brazil since 1992

- **Industrial electronics distributor since 1992**, with a distribution center in Navegantes (SC) and own stock in Brazil.
- **Seven product pillars:** industrial power supplies · data communication · industrial computers · data acquisition · machine automation · sensors and instrumentation · machine safety.
- **Long partnerships:** Mean Well (authorized distributor) · ICP DAS (since the 1990s) · ORing (official since 2012) · PULS (exclusive since 2015).
- **Own-brand lines:** LRI-brand lines (inverters, LRI-FAV variable DC supplies, DC/DC converters, serial converters, switches, industrial PCs) and the AEM-60DC8 DC monitor.
- **Technical sales:** datasheets and documentation in Portuguese, Brazilian electronic invoice (NF-e) and a specialist who confirms the model before the order.

1992
in the market since
Source Company history
Scope LRI

9,300+
customers with invoiced orders
Source Plune ERP: distinct customers invoiced since 2012 · queried on 2026-09-18
Scope LRI

52,000+
units invoiced in 2025
Source Plune ERP: total quantity invoiced in 2025 (32,000+ in 2024) · queried on 2026-09-18
Scope LRI

2,200+
invoices issued in 2025
Source Plune ERP: invoices issued in 2025, excluding canceled ones · queried on 2026-09-18
Scope LRI

• PORTFOLIO MAP

Seven product pillars, plus **LRI** engineering

Each brand has its own mini-site at **brand.lri.com.br**, with the families, datasheets in Portuguese and the quote request. The next slides follow this order.

1 · POWER SUPPLIES AND ENERGY

Mean Well
PULS
Camtec · Hi-Link
Acrel EV chargers
LRI-FAV variable DC supplies
LRI-DDC DC/DC converters
LRI DC/AC inverters

2 · DATA COMMUNICATION

ORing
LRI switches · SFP LRI
LRI-CON (serial converters)
PUSR · Ebyte
FAS (IO-Link e conectores M12)

3 · INDUSTRIAL COMPUTERS

ADLINK
Edatec
LRI industrial PC
Sfera Labs (industrial Raspberry Pi)
Sipolar (USB hubs)

4 · DATA ACQUISITION

ICP DAS
Seneca
Acrel
Teracom · ControlByWeb
Signal conditioners

5 · MACHINE AUTOMATION

akYtec
Selec
GEYA

6 · SENSORS AND INSTRUMENTATION

LRI-SEN sensors
DIS Sensors
NK Technologies
Mantracourt (no mini-site)

7 · MACHINE SAFETY

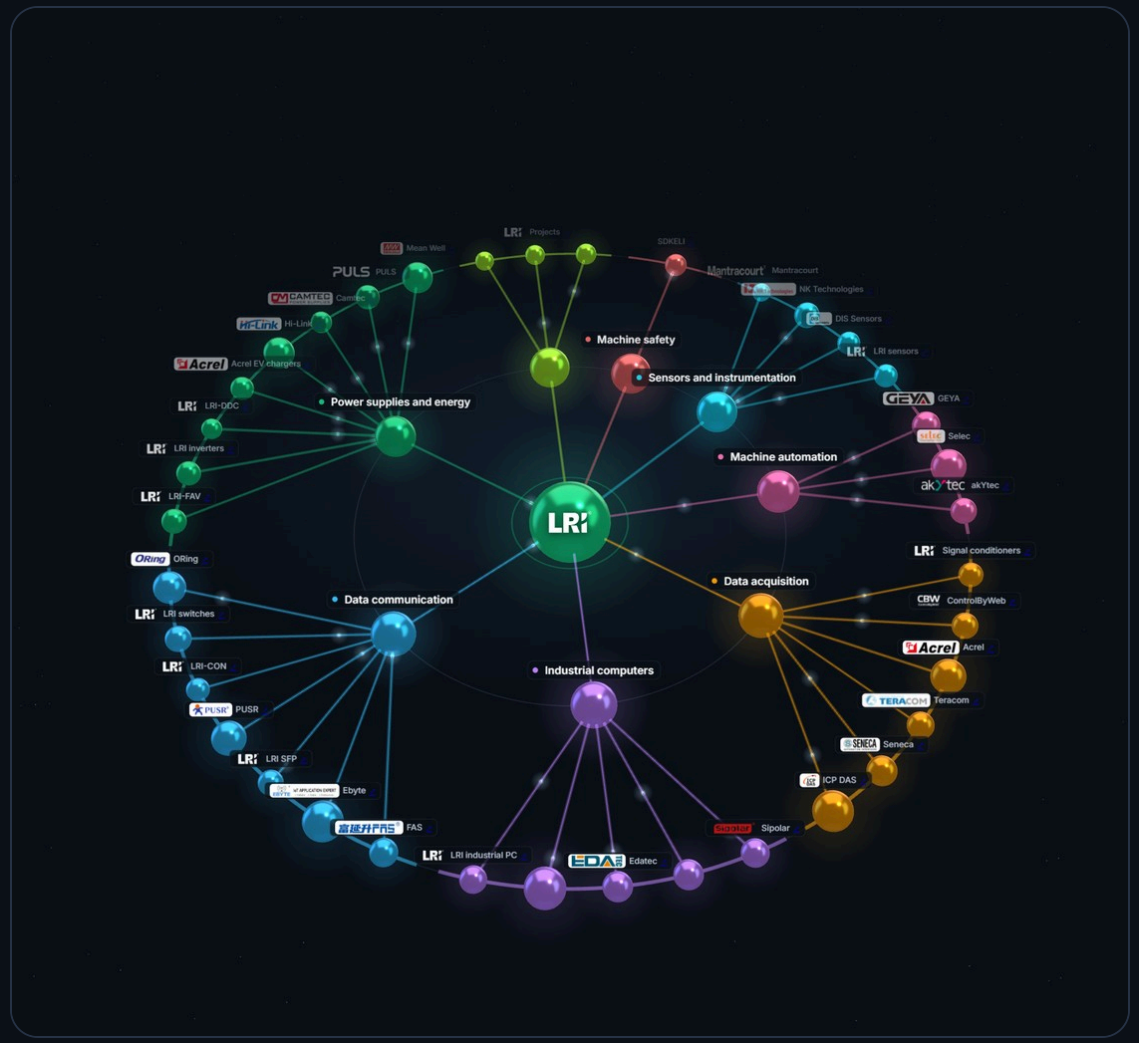
SDKELI (official distributor)

LRI ENGINEERING

AEM-60DC8, DC supervision platform · Custom projects (hardware, firmware, cybersecurity and certification) · Free electrical calculators

• 3D MAP

The whole portfolio in one interactive map



Power supplies and energy

Mean Well · PULS · Camtec · Hi-Link · Acrel EV chargers · LRI-DDC · LRI inverters · LRI-FAV

Data communication

ORing · LRI switches · LRI-CON · PUSR · LRI SFP · Ebyte · FAS

Industrial computers

LRI industrial PC · ADLINK · Edatec · Sfera Labs · Sipolar

Data acquisition

ICP DAS · Seneca · Teracom · Acrel · ControlByWeb · Signal conditioners

Machine automation

akYtec · Selec · GEYA

Sensors and instrumentation

LRI sensors · DIS Sensors · NK Technologies · Mantracourt

Machine safety

SDKELI

LRI engineering

AEM-60DC8 · Projects · Calculators

• 1 · POWER SUPPLIES AND ENERGY · AUTHORIZED DISTRIBUTOR

Mean Well: the Mean Well by **LRI** store catalog

AC/DC POWER SUPPLIES

- DIN rail
- Open frame, encapsulated and IP67
- Modular for rack
- Enclosed (mesh case)
- UPS
- Medical
- Variable
- Bidirectional
- AC/DC adapters
- 5, 12, 24 and 48 V power supplies



LED AND BATTERIES

- LED drivers
- Surge protector and LED accessories
- Battery chargers



DC/DC CONVERTERS

- Open frame (PCB)
- Encapsulated
- DIN rail
- Enclosed
- On-board (integrated)



DC/AC INVERTERS

- Pure sine wave
- Modified sine wave
- Solar inverters



OTHER LINES

- Frequency inverter (AC/AC)
- PLC
- KNX gateway



meanwellbrasil.com.br Store with datasheets in Portuguese · guarantee of authenticity

Documents: meanwell.lri.com.br (80 items: catalogs, flyers, declarations of conformity, manuals, application notes)

PULS and Camtec: high-performance panel power supplies

PULS

exclusive distributor since 2015 · 11 families

FAMILIES

- MiniLine
- Dimension C series
- Dimension DC/DC
- Dimension Q series
- Dimension X series and Planet
- FIEPOS (field power supplies)
- PIANO
- Redundancy modules
- Electronic protection and DC-UPS
- PoE injectors
- Mounting accessories



puls.lri.com.br

Camtec Power Supplies

German manufacturer · authorized distributor · 8 families



DIN rail, single-phase
10 W to 2000 W · 14 models



DIN rail, 2/3-phase
480 W to 1100 W · 2 models



Programmable bench
480 W to 3 kW · 9 models



DC/DC mini-grid
450 to 820 Vdc · 2 models



Rack/wall-mount
2 kW to 3 kW · 4 models, up to 100 kW



19″ rack, multi-output
80 W to 220 W · 3 models



Inrush limiter (ESB)
3.6 kW to 46 kW



UMS DC relay
600 W to 2400 W · 3 models, wear-free

camtec.lri.com.br Price on request

Hi-Link and the LRI-DDC line of DC/DC converters

Hi-Link

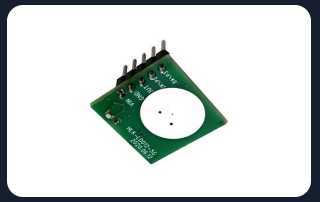
distributor in Brazil · 477 products



Power converters · 332
AC/DC from 2 W to 5000 W and DC/DC from 1 W to 400 W



Communication · 50
WiFi, Bluetooth, IoT and LoRa



Sensors · 85
Presence radar, biometrics, gyroscope



Antennas and accessories · 10
RF antennas and accessories



Highlight: HLK-QYL
1000 W to 5000 W, adjustable constant voltage and current, 180 to 264 Vac input

hilink.lri.com.br

LRI-DDC

LRI brand · 24 Vdc to 12 Vdc DC/DC converter



LRI-DDC-241215
15 A



LRI-DDC-241230
30 A



LRI-DDC-241240
40 A



LRI-DDC-241250
50 A



LRI-DDC-241250-RC
50 A with remote enable (ignition)

For trucks, buses, motorhomes and fleets. Five protections, CE and RoHS, 6-year warranty, in stock with invoice.

conversor-dcdc.lri.com.br

Pure sine wave DC/AC inverters, 600 W to 8 kW

MODEL (8 HIGHLIGHTS)	INPUT	OUTPUT	POWER
LRI12-1.2K-220	12 V DC	220 V AC	1200 W (peak 2400 W)
LRI24-1K-220	24 V DC	220 V AC	1000 W (peak 2000 W)
LRI48-600-127	48 V DC	127 V AC	600 W
LRI48-1.5K-220	48 V DC	220 V AC	1500 VA / 1200 W
LRI48-5K-220	48 V DC	220 V AC	5000 W (peak 10000 W)
LRI125-1K-127	125 V DC	127 V AC	1000 W (peak 2000 W)
LRI125-2K-220-R	125 V DC	220 V AC	2000 W
LRI125-3K-220-R	125 V DC	220 V AC	3000 W

- **Inputs:** 12, 24, 48, 72 and 125 Vdc (up to 250 Vdc on request).
- **Outputs:** 127 and 220 Vac, 60 Hz.
- **Format:** panel mount in all power ratings; 19″ rack in 1, 2 and 3 kW.
- **Standards:** NBR 14136, CE, FCC and RoHS.
- **Custom:** outside the table, engineering assesses custom builds. Where it goes: telecom, substations, on-board and railway.


LRI12-1.2K-220


LRI24-1K-220


LRI48-5K-220


LRI125-3K-220-R

inversores.lri.com.br

LRI-FAV: variable DC supplies, more than 370 codes in six families

LRI's own brand: adjustable voltage and current, switch-mode and linear, programmable with communication. From the compact bench to the 3U rack.



Adjustable switch-mode bench · 127
Adjustable voltage and current, digital display and protections



PE series, programmable with timer · 61
Ramps and sequences with timer, memories and communication



Precision programmable · 46
5- or 6-digit display and communication interface



Programmable linear · 84
Low noise for instrumentation and analog circuits



High-power 3U rack · 52
Test systems and high-power processes

High-current C series · 5
Battery charging, electroplating and power tests; e.g. LRI-FAV-C15400, 0 to 15 V DC and 0 to 400 A

How to read the code: LRI-FAV-K3010P = 0 to 30 V DC and 0 to 10 A. Also on the instrumentation bench: lab, maintenance, test and production.

`fontes-variaveis.lri.com.br` Price on request Tell us the voltage and current; LRI picks the model

• 1 · POWER SUPPLIES AND ENERGY · AUTHORIZED DISTRIBUTOR

Acrel electric vehicle chargers: from 7 kW AC to 320 kW DC

Wallboxes for garages and businesses, and CCS2 fast-charging stations for fleet and public charging hubs. On the mini-site: technical specifications in Portuguese, an AC × DC guide with a charging-time calculator, and installation standards.



AEV300-AC007D-EU · AC wallbox

7 kW, single-phase, 230 V AC and 32 A, 5 m cable, Wi-Fi, Bluetooth and RFID; wall-mounted



AEU160 · DC fast charging

80, 120 or 160 kW, 150 to 1000 V DC, 400 V AC three-phase, two CCS2 connectors, OCPP 1.6J; floor-standing



AEU320 · DC ultra-fast charging

240, 280 or 320 kW, 150 to 1000 V DC, 400 V AC three-phase, two CCS2 connectors, OCPP 1.6J; floor-standing

Anatel (Brazil) approval pending on all three models (4G, Wi-Fi, Bluetooth and RFID radios, depending on the model); LRI reports the status of each one in the quote. Electrical design and installation are done by a licensed professional; LRI supports the sizing.

`carregador-veicular.lri.com.br` Price on request Tell us the site's power supply and the power; LRI checks the model

ORing: 141 industrial switch families in 8 lines



Substation automation
IEC 61850-3



Managed Layer 2/3



Managed PoE
Camera, AP and phone powered by the port



Unmanaged
Plug and play



Railway EN 50155



Industrial connectivity



Wireless and cellular IoT



Lighting, energy and OT

Cyber-hardened line (IEC 62443-4-2)

Models certified to IEC 62443-4-2 (check per model in the documentation). Flagship families:

`RGS-P9000` `RES-P9242GCL` `IGS-P9812GP` `IGS-P9164GC` `RGPS-R9244GP+` `RGPS-92222GCP-NP` `RGS-92222GCP-NP` `IGS-9168GP / 9084GP-LA`

Two verticals: **substation** and **CCTV** with industrial IP cameras.

`oringnet.lri.com.br` Firmware, support and warranty straight from the factory through LRI

LRI switches and LRI-CON serial converters

LRI switches

2 to 54 ports · 6-year warranty



Media converters
Gigabit over fiber, SC connector or SFP slot



Industrial switches
2 to 54 ports, 100M and 1G, copper and fiber



Managed switches
L2, L2+ and L3 · VLAN, QoS, RSTP/ERPS ring



PoE
802.3af, 802.3at and 802.3bt, 1 to 48 ports

DIN rail or 19″ rack, redundant AC/DC power supplies.

switches.lri.com.br

LRI-CON

isolated serial converter



LRI-CON-7562U
USB to serial, pluggable terminals



LRI-CON-7520A
RS-232 to RS-485, 10-way terminal block



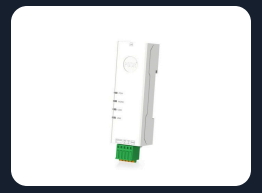
LRI-CON-7521U
4 isolated RS-485 channels, star distribution

Galvanic isolation, TVS protection, DIN rail, manual in Portuguese. Alternative to the I-7520, tM-7520U and I-7561 converters (check pinout and isolation).

lri-con.lri.com.br

PUSR: end-to-end industrial connectivity

SERIAL TO ETHERNET AND WIFI



- USR-N5xx · 4 models
- TCP232-3xx · 4 models
- DIN rail · 4 models
- Serial-WiFi · 5 models
- Lipstick dual-band WiFi · 2 models
- 19″ rack server, AC powered
- Edge servers, 8 or 16 RS485

CELLULAR AND ROUTERS



- 4G/5G routers
- 4G DTU cellular modems
- Commercial 5G CPE
- IoT edge gateways
- I/O modules (USR-M050/M100/M300)

NETWORK AND WIRELESS



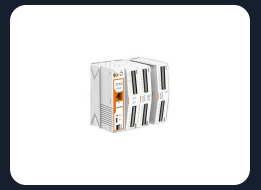
- Industrial switches · 12 models, RJ45 or M12, with and without PoE
- Commercial switches · 4 models
- WiFi 6 wireless AP/bridge
- Advanced dual-band WiFi and WiFi 6

FIELDBUS AND FIELD



- EtherCAT, PROFINET and CANopen to Modbus converters
- CAN converters · 10 models, from CAN to CAN FD
- LoRa network · 8 models
- Sensors · soil and RS485 hub

COMPUTING AND INTEGRATION



- Embedded IPC · OEM computers and motherboards
- Embeddable modules for your own board

pusr.lri.com.br LRI engineering · cellular routers, switches, wireless AP, CAN, LoRa and IoT edge

• 2 · DATA COMMUNICATION · AUTHORIZED DISTRIBUTOR

Ebyte: 1,498 models in 11 lines

Choose by what you need to connect: serial, CAN, network, radio or I/O.



Serial and USB converters



CAN and Profinet



Remote and distributed I/O



Serial servers



Industrial gateways



DTU/RTU radio modems



Industrial computing



Radio modules
Test samples under certification

RF antennas and cables

Power supplies and power modules

Sensors

`cdebyte.lri.com.br` Datasheets in Portuguese and documentation hosted by LRI Radio models without certification ship as test samples

• 2 · DATA COMMUNICATION · LRI BRAND

LRI SFP: industrial optical modules from 155M to 10G

For the industrial switch in a hot panel: a module that withstands the same temperature range.

SFP 155 Mbps	SFP 1.25 Gbps	SFP 2.5 Gbps	SFP+ 10 Gbps
14 models with datasheet	8 models with datasheet	6 models with datasheet	15 models with datasheet

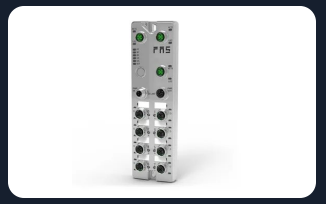
- **-40 to +85 °C** with DDM/DOM diagnostics (temperature, voltage, laser current and optical power).
- **Single-mode, multimode and BiDi** (one fiber, two wavelengths).
- Guides on the mini-site: how to choose, link power budget and why industrial grade matters.

`sfp.lri.com.br` Pairs with LRI and ORing switches

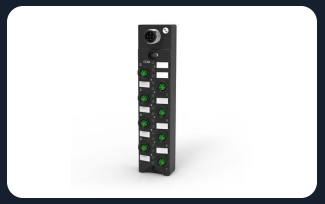
• 2 · DATA COMMUNICATION · DISTRIBUTOR IN BRAZIL

FAS: from IO-Link master to sensor, 577 models

The machine's entire field network from a single manufacturer, from the IO-Link master to the sensor connector.



IO-Link masters · 26
PROFINET, EtherNet/IP and EtherCAT



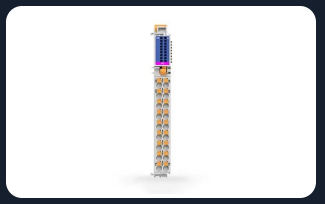
IO-Link devices and hubs · 84
16 signals on a single cable



IP67 remote I/O · 43
Mounted right on the machine frame



IP20 remote I/O · 26
In the cabinet



FFC slice I/O · 13



FFT network modules · 15
I/O on flat cable along the line



RFID · 6
Readers and tags



Ethernet switches · 6



Connectors and cables · 332
M8/M12, Ethernet, EtherCAT, Profibus, CC-Link and Modbus RTU



Signal distribution boxes · 6



Relay modules · 19



Terminals and terminal blocks · 1

fas-elec.lri.com.br Datasheet, EPLAN macro and 3D model on request, depending on the item

From PLC to sensor in six parts: Ethernet cable, IO-Link master, IP67 I/O, IO-Link hub, M8/M12 cable and field connector

• 4 · DATA ACQUISITION · PARTNER SINCE THE 1990S · 1 OF 2

ICP DAS: remote I/O, PACs and panels

REMOTE I/O · 13 FAMILIES



- I-7000
- Compact RS-485
- ET-7000
- ET-2200
- OPC UA and Ethernet expansion
- PAC I-8K/I-87K High Profile
- PAC I-8K/I-87K Low Profile
- I-9K/I-97K, e-9K and expansion cards
- Wireless I/O, Wi-Fi and ZigBee
- USB I/O
- PCI, PCIe and ISA boards
- CANopen, DeviceNet, PROFIBUS
- FR-2000

PACS · 6



- PAC Windows
- PAC WinCE
- PAC Linux
- Embedded MiniOS7 PAC
- Cellular mini-PAC (G-4500)
- AI Box (edge AI)

PANELS · 4



- Industrial Panel PC
- ViewPAC
- TouchPAD
- iKAN LED display and touch monitor

icpdas.lri.com.br Official distributor · more than 500 modules

ICP DAS: communication, energy, IIoT and accessories

INDUSTRIAL COMMUNICATION



- Unmanaged switches
- Managed and redundant switches
- Serial Device Server
- RS-232/485 converters and repeaters
- Media converter and PoE
- PCI/PCIe serial boards
- Fieldbus gateways
- EtherCAT
- Other fieldbuses
- SFP modules

ENERGY AND CONDITIONING



- Standard energy meters
- Isolated meters and meters with display
- Multi-circuit meters
- Concentrators and IoTstar
- Wireless energy sensors
- mV/thermocouple/RTD isolators
- Voltage attenuators and CTs

IIOT AND INDUSTRY 4.0



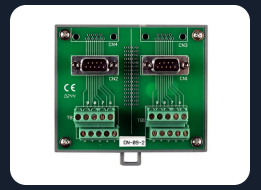
- Edge controller, MQTT broker and vibration
- Air quality, temperature and humidity
- Alarm, presence, dimmer and IP camera
- Signal towers

MOTION AND WIRELESS



- Cards, remote controllers and EtherCAT (axis, servo, encoder)
- Modem, RTU/gateway and NB-IoT
- LoRa and Bluetooth LE

ACCESSORIES AND MOUNTING



- Cables, terminal boards and relay boards
- Power supplies
- Relays, connectors and enclosures

icpdas.lri.com.br Each family has its own page, with datasheets

Teracom and signal conditioners

Teracom

official distributor · Ethernet remote monitoring



Ethernet · 11 modules

TCW242, TCW260, TCW241, TCW220, TCW320x-EMM, TCW280, TCW210-TH, TCW181B-CM, TCW122B (CM, WD, RR)



Cellular 4G · 3 modules

TCG120-4, TCG140-4, TCG210-4 (in Brazil, the -4G variant)



Sensors · 33 models

Temperature, humidity, CO_2, pressure, voltage, current, leak, smoke, door



RFID · 3 controllers

Authorization of who operates the machine

teracom.lri.com.br

Signal conditioners

17 families · on request

ISOLATORS AND SPLITTERS

THP · TS · THT · THG · THS · TB · TU ultra-slim · TM · TN



AC/DC TRANSDUCERS

TEC · TEK clamp · TEL 22 mm clamp · TEB · TED power · TK through-hole · TE · TEA CA/CC



4-20 mA, 0-20 mA, 0-5 V, 0-10 V, 3-way isolation, DIN rail, 24 Vdc or 220 Vac supply.

condicionadores.lri.com.br

• 4 · DATA ACQUISITION · OFFICIAL DISTRIBUTOR

Seneca: energy metering and automation

ENERGY AND ELECTRICAL MEASUREMENT · 6



- S500 energy meters
- Network analyzers and multimeters
- T201 current transducers
- Complementary current sensors
- Electrical measurement converters
- Controllers and RTUs for energy management

COMMUNICATION AND TELECONTROL · 6



- Z-KEY, Z-KEY-2ETH, R-KEY-LT gateways
- Z-PASS, R-PASS IIoT edge controllers
- Fiber converters and 169 MHz radio
- VPN BOX 2 industrial VPN server
- MyALARM, Z-LTE cellular telemetry
- R-GWR wireless sensor network

PANEL INSTRUMENTATION · 7



- Digital indicators
- Temperature: probes and transmitters
- Universal analog converters
- Digital, frequency and alarm converters
- Panel protection: surges and relays
- Batch and dosing controllers
- Portable calibrators and thermometers

ACQUISITION AND AUTOMATION · 3



- DIN-rail remote I/O (Modbus, Profinet, CANopen)
- HMI and displays, SURPRISE Smart Display
- Z-FLOWCOMPUTER process controller

ACCESSORIES AND SPARES · 4



- Communication and programming cables
- GSM, UMTS, Wi-Fi and 169 MHz antennas
- Batteries, power supplies and parts
- Kits, memory and measurement accessories

seneca.lri.com.br Italian brand · invoiced in Brazil to companies

Acrel and ControlByWeb: energy and I/O over the network

Acrel

423 models in 10 lines · energy metering, protection and IoT



Energy management · 31
DIN-rail, multifunction, DC and wireless meters



Monitoring and protection · 46
Relays, RTUs, temperature and motors



IoT gateways · 8
4G, Wi-Fi, LoRaWAN and modular



IT power distribution (insulation) · 22
Hospital and industrial insulation



Power sensors · 27
CTs, Hall sensors and isolators



Renewable energy · 4
Solar and microgrids

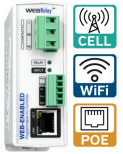
acrel.lri.com.br

ControlByWeb

Ethernet I/O controllers and WebRelay · on-device logic



Ethernet I/O controllers · 15
X-600M, EDGE and X-400 series



WebRelay · 9
1, 4 and 10 relays over the network



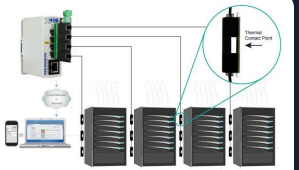
X-xxS expansion modules · 11
Relays, inputs and analog



Sensors · 42
Level, contact, temperature and weather



Cloud and cellular · 6
Remote access, logging and dashboards



Kits by application · 9
Temperature, level, weather

controlbyweb.lri.com.br

akYtec: programmable relays, PLCs and I/O modules



Panel indicators and displays
9 models



Programmable relays
8 models · PR200 in 14 versions



PLCs and controllers with HMI
2 models · PLC210 in CODESYS



Frequency inverters
2 models



RS485 I/O modules
10 models · MV110-AI



Ethernet I/O modules
5 models



Temperature controllers and recorders
4 models



Sensors and transmitters
4 models · loop-powered ITP11 (4-20 mA)



Power supplies
2 models · PASB 15, 30 and 60 W



Communication, gateways and IoT
5 models · NS5-24 switch



Software
4 programs

akytec.lri.com.br Price on request Rule of thumb: small logic, programmable relay; more I/O, network and display, PLC

Selec: 32 categories, 293 series, 748 models

PROTECTION AND CONTROL



- Line monitoring · 19
- Current protection · 2
- Earth leakage relays · 7
- Earth fault relays · 3
- Motor protection · 4
- Pump protection · 4
- Level controllers · 4
- Timer relays · 20
- Time switches · 4

INDUSTRIAL AUTOMATION



- MiBRX modular PLC · 11
- FLEXYS modular PLC · 5
- Compact PLC · 8
- HMI · 4
- Frequency inverters · 5
- Relay modules · 1
- Communication accessories · 10

INDICATORS AND CONTROLLERS



- Digital timers · 24
- Counters · 12
- Temperature controllers · 27
- PID process controllers · 9
- Process indicators · 9
- Solid-state relays · 6
- Humidity and temperature controllers · 5

ELECTRICAL MEASUREMENT



- Multifunction meters · 14
- Energy meters · 4
- Digital panel meters · 20
- Current transformers · 5

POWER QUALITY



- Static var generator (SVG) · 5
- Power factor controllers · 5
- Active harmonic filters · 4

POWER SUPPLIES AND SOLAR



- Power supplies · 17
- On-grid solar inverters · 16

selec.lri.com.br Authorized distributor Numbers are the quantity of series per category

GEYA: electrical control and protection for DIN rail

INTERFACE RELAYS AND MODULES



- FY-41F slim
- FY-T73 (1 to 16 channels)
- Omron-compatible plug-in
- GR8 (8 to 16 A)
- HH53P/HH54P + sockets

CONTACTORS AND SOLID STATE



- GYHC-16 AC contactor
- GSR solid-state relay (1 and 3 phase)

MONITORING RELAYS



- GRW8 temperature
- GRV8 voltage (single and three-phase)
- GRI8 current
- GRL8 level
- GRM8 latching

TIMERS AND LIGHTING



- GRB8 twilight switch
- TS-GE2
- THC15B astronomical
- THC-9xxx
- THC-8xx weekly
- THC-30x / 20x / 15A
- THC-109x

DIGITAL METERING AND PROTECTION



- GPV8/GPS three-phase
- VANP-2P
- VADM-2P
- NV voltmeter
- NOV-40 / NOA-40
- NHZ frequency
- NA ammeter
- ANP-2P

LV PROTECTION AND POWER QUALITY



- MCCB, ACB, MPCB, GYM10 MCB
- RCD/RCBO
- SPD/DPS
- Thermal relays
- Distribution boards
- Active filters, SVG, AVC

geya.lri.com.br Electrical control: 30 families, 80 models Low-voltage protection (61 series) and power quality (20 series) on request

LRI industrial PC: 14 models, from Celeron to Core i5



Fanless, LRI-IPC-2505 series (A to D)
100% passive cooling, 8 or 16 GB, optional WiFi



Forced ventilation, LRI-IPC-1205 series (A to D)
Low profile (40 mm), power supply included, M.2 SSD up to 1 TB



4× LAN for gateway
Version with four Gigabit ports

DIN rail
8 GPIO (4 inputs and 4 outputs) and Nano SIM 4G/WiFi slot



Edge computing
12th-generation Core i3/i5

- **2 native RS-232 ports** (DB9), not a USB adapter.
- **2 Gigabit LAN**, HDMI and VGA, Mini PCIe for WiFi or 4G LTE.
- Auto Power On, Wake on LAN, RTC, PXE and watchdog.
- 12 or 19 Vdc supply, 0 to 60 °C operation.
- **5-year warranty** and configuration closed with engineering.

pc-industrial.lri.com.br Custom configuration

• 3 · INDUSTRIAL COMPUTERS · AUTHORIZED DISTRIBUTOR

Sfera Labs: Raspberry Pi and Arduino for the panel

STRATO PI · DIN-RAIL SERVERS



- Strato Pi Max
- Strato Pi Plus
- Strato Pi CM Duo v3
- Strato Pi CM v3
- Strato Pi Base
- Strato Pi UPS
- Strato Pi CAN

IONO · CONTROLLERS WITH I/O



- Iono Pi Max v2
- Iono Pi v3
- Iono Pi
- Iono RP
- Iono RP D16
- Iono MKR
- Iono Uno

EXO SENSE · ENVIRONMENT SENSORS



- Exo Sense Pi
- Exo Sense RP

TOUCH PANELS



- Strato Pi Touch Display Kit
- Iono Pi Touch Display Kit

X2 SERIES EXPANSION BOARDS · 10



- CAN and dual RS-485
- Quad RS-422/RS-485
- RS-232 and RS-485
- Digital I/O
- Analog inputs
- Analog outputs
- UPS
- SuperCaps UPS
- M.2 LTE
- Prototyping

BOARDS FOR RASPBERRY PI · 6



- Iono Pi Board
- Strato Pi Base Board
- Strato Pi UPS Board
- Strato Pi CAN Board
- Strato Pi Mini Board
- Strato Pi Fan

sferalabs.lri.com.br 143 PDFs hosted, no sign-up

ADLINK and Edatec: embedded computing, edge AI and industrial Raspberry Pi

ADLINK

19 lines · embedded computing, edge AI, DAQ and PXI



Industrial computers · 64
Fanless, IPCs and gateways



Edge AI · 23
NVIDIA Jetson and x86



COM modules · 174
COM Express, SMARC, Qseven



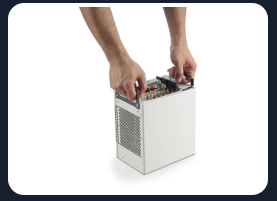
Motherboards and SBCs · 183
Mini-ITX, PC/104, backplanes



Rugged computing · 219
CompactPCI, VPX, railway



Data acquisition · 178
Multifunction and USB DAQ



PXI and PXIe · 44
Chassis, controllers, modules



Motion control · 71
EtherCAT, encoder, trigger

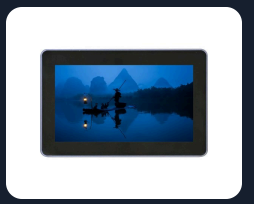
adlink.lri.com.br Includes replacements for discontinued ADLINK models

Edatec

industrial hardware built on Raspberry Pi



Industrial computers · 20
DIN rail, RS-232/485, CAN, 9 to 36 Vdc



HMI and panel PC · 10
Screen sized to the panel



PLC and PAC · 4
CODESYS



EtherCAT and Modbus remote I/O · 10



IoT and LoRaWAN gateways · 6



Smart cameras · 4

edatec.lri.com.br

• 3 · INDUSTRIAL COMPUTERS · OFFICIAL DISTRIBUTOR

Sipolar: 33 USB hubs and charging stations in six families

USB hubs for test benches, batch programming, device racks and panels, with each model's power budget in plain sight.



Industrial USB hubs · 11
4 to 32 ports with power supply included: test benches, production lines and batch programming



General-purpose USB 3.0 hubs · 6
4 to 7 ports, some with per-port switches



Embedded USB hubs · 5
Compact 4-port USB 3.0 and 3.2 Gen2, to mount inside equipment



Isolated USB hubs · 1
4 ports with isolation between host and peripherals, for panels and DIN rail



19" 1U rack USB hubs · 3
16 ports with internal power supply, for device farms



USB charging stations · 7
4 to 16 ports, from USB-A to USB-C with Power Delivery up to 65 W per port

Each mini-site page compares what the ports draw at full load with what the power supply delivers, and states what is still to be confirmed with the manufacturer. Certification of the charging models (Inmetro and Anatel, Brazil) is under review by LRI.

`sipolar.lri.com.br` NF-e invoice for CNPJ Numbers are the quantity of models in each family

LRI-SEN sensors: 378 models in 24 families

Start with what you need to detect: metal, level, distance, position or end of travel.

POSITION DETECTION · 120



- Cylindrical inductive M8 to M30
- Rectangular and ring inductive
- Inductive for harsh environments
- Magnetic for cylinders
- Photoelectric
- Slot photoelectric
- Optical fibers and amplifiers
- Accessories

LEVEL AND MATERIALS · 6



- Capacitive (on request)
- Level measurement and switches
- Color, mark and label
- Hot and cold metal detectors

DISTANCE AND MEASUREMENT · 139



- Ultrasonic · 98
- Laser distance and LiDAR · 34
- Analog and displacement inductive
- Radar
- Tilt, vibration and acceleration

MECHANICAL AND SAFETY · 98



- Limit switches · 78
- Conveyor belt protection · 15
- Light curtains and safety
- Anti-collision for overhead cranes and vehicles

PROCESS AND ACCESSORIES · 15



- Speed and rotation
- Pressure, temperature and flow
- Wireless sensors and gateways

sensores.lri.com.br Selection guide, glossary and wiring diagrams Numbers are the quantity of models in each group

DIS Sensors and NK Technologies

DIS Sensors

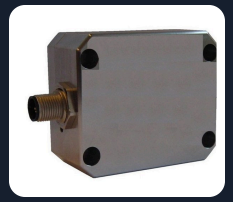
Netherlands · 7 lines



Inclinometers



Dynamic inclinometers



Accelerometers



Tilt switches



Contactless rotary encoders



Safety sensors (SIL/PL)



Cables and accessories

Lifting and handling, construction machinery, agricultural vehicles, marine, renewable energy and medical equipment. The order code is the specification.

dis-sensors.lri.com.br

NK Technologies

USA · 6 lines, 70 families · 5-year warranty



Current switches



AC transducers



DC transducers



Ground fault



Voltage and power



CTs and accessories

Water and pumping, solar energy, predictive maintenance and protection of people and equipment. Every family has a photo and its own page.

nktechnologies.lri.com.br

No mini-site: **Mantracourt** (load cell amplifiers and strain gauges).

Also on the instrumentation bench: **LRI-FAV** variable DC supplies, LRI's own brand, at fontes-variaveis.lri.com.br.

• 7 · MACHINE SAFETY · OFFICIAL DISTRIBUTOR IN BRAZIL

SDKELI: machine safety and NR-12, 39 series and 1,376 models

For those designing under NR-12: light curtains, press-brake laser protection, scanners, relays and controllers, with the declared class of each series and what has a certificate verified in a public source.



Safety light curtains · 1,047

12 series; CT4 and CT6 with verified TÜV Rheinland certificate: Type 4, Cat. 4, PL e, SIL 3



Press-brake protection (BLPS) · 4 series

Multi-zone laser at the tool tip



Safety laser scanners · 10

3 series; KLMs and KLM with verified certificate: Type 3, Cat. 3, PL d, SIL 2



Safety relays · CSRM

Safety relay modules



Safety controllers · 4

CPSII, CQ2, CPSIII, CQ3, CG e SPC



Safety mats and accessories · 23

MAT4, controllers and cables



Automation and measurement curtains · 247

Not safety devices



Navigation and measurement LiDAR · 45

AGV and AMR; does not protect people

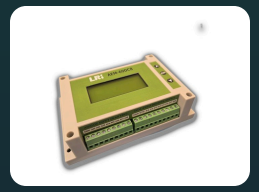
NR-12 conformity belongs to the machine project and the licensed professional: no device alone makes a machine compliant. The mini-site has the safety-distance calculator (Annex I, S = (K × T) + C), the machine-by-machine selection assistant and 16 machine and application options.

sdkeli.lri.com.br Application engineering · NF-e invoice for CNPJ Numbers are the quantity of models in each category

• LRI ENGINEERING

AEM-60DC8 and custom projects

AEM-60DC8 · real-time DC monitoring



- 8 isolated DC channels, Modbus RTU, LCD display and USB-C bootloader.
- Secure by design: signed firmware (Ed25519), IIoT-ready, hardware aligned with IEC 62443-4-2.
- Use: battery banks, rectifiers, substations and solar. Measurement ranges per model.
- AEM Utility and Utility Pro software versions; AEM-Hub for several devices.

`aem.lri.com.br`

Projects · from distribution to creating technology



- Hardware, firmware and software, cybersecurity, certification, distribution and local support, under one roof.
- Lines already in production: LRI125, LRI48, LRI-CON, switches and AEM.
- Three paths: specify LRI products · a manufacturer wanting to enter Brazil · develop a product from scratch.

`projetos.lri.com.br`

• TO KEEP AT HAND

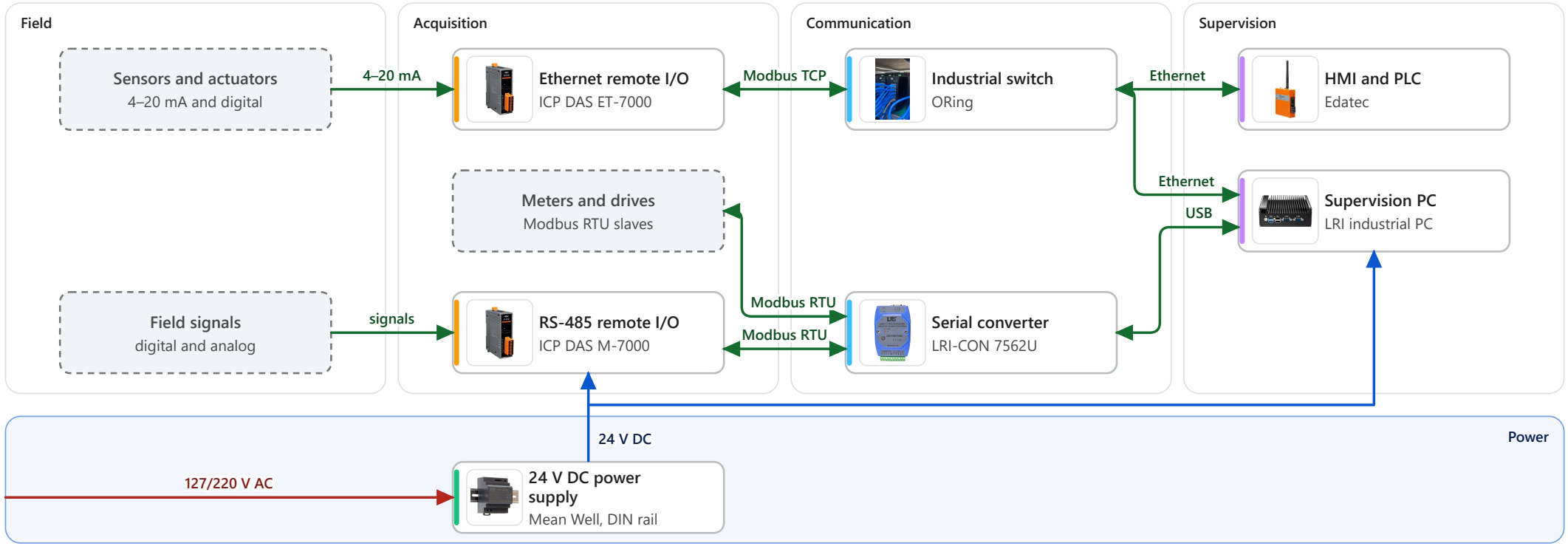
LRI's 36 mini-sites

Each address has the families, the datasheets in Portuguese and the quote request.

meanwell.lri.com.br	Mean Well · documents and catalogs
puls.lri.com.br	PULS · premium power supplies
camtec.lri.com.br	Camtec · German power supplies
hilink.lri.com.br	Hi-Link · converters and modules
conversor-dcdc.lri.com.br	LRI-DDC · 24 to 12 Vdc DC/DC
inversores.lri.com.br	LRI DC/AC inverters
fontes-variaveis.lri.com.br	LRI-FAV · variable DC supplies
carregador-veicular.lri.com.br	Acrel EV chargers · wallbox and DC fast charging
oringnet.lri.com.br	ORing · industrial switches
switches.lri.com.br	LRI switches
lri-con.lri.com.br	LRI-CON · serial converters
pusr.lri.com.br	PUSR · routers, switches and IoT
cdebyte.lri.com.br	Ebyte · radios, I/O and converters
icpdas.lri.com.br	ICP DAS · remote I/O and PAC
seneca.lri.com.br	Seneca · energy and IIoT
teracom.lri.com.br	Teracom · remote monitoring
condicionadores.lri.com.br	Signal conditioners
akytec.lri.com.br	akYtec · relays and PLCs
selec.lri.com.br	Selec · meters and controllers
geya.lri.com.br	GEYA · control and protection
pc-industrial.lri.com.br	LRI industrial PC
sferalabs.lri.com.br	Sfera Labs · industrial Raspberry Pi
dis-sensors.lri.com.br	DIS Sensors · inclination and encoders
nktechnologies.lri.com.br	NK Technologies · current sensors
aem.lri.com.br	AEM-60DC8 · DC supervision
projetos.lri.com.br	Custom projects
calculadoras.lri.com.br	Free electrical calculators
adlink.lri.com.br	ADLINK · embedded, edge AI and DAQ
edatec.lri.com.br	Edatec · industrial Raspberry Pi
acrel.lri.com.br	Acrel · energy metering and protection
controlbyweb.lri.com.br	ControlByWeb · Ethernet I/O and WebRelay
sfp.lri.com.br	LRI SFP · industrial optical modules
fas-elec.lri.com.br	FAS · IO-Link, remote I/O and M12 connectors
sensores.lri.com.br	LRI-SEN sensors · detection and distance
sdkeli.lri.com.br	SDKELI · machine safety and NR-12
sipolar.lri.com.br	Sipolar · USB hubs and charging stations

SOLUTION ARCHITECTURE

Automation panel | Remote monitoring | Substation and energy | Machine and OEM | Wireless field connectivity | Edge and IIoT



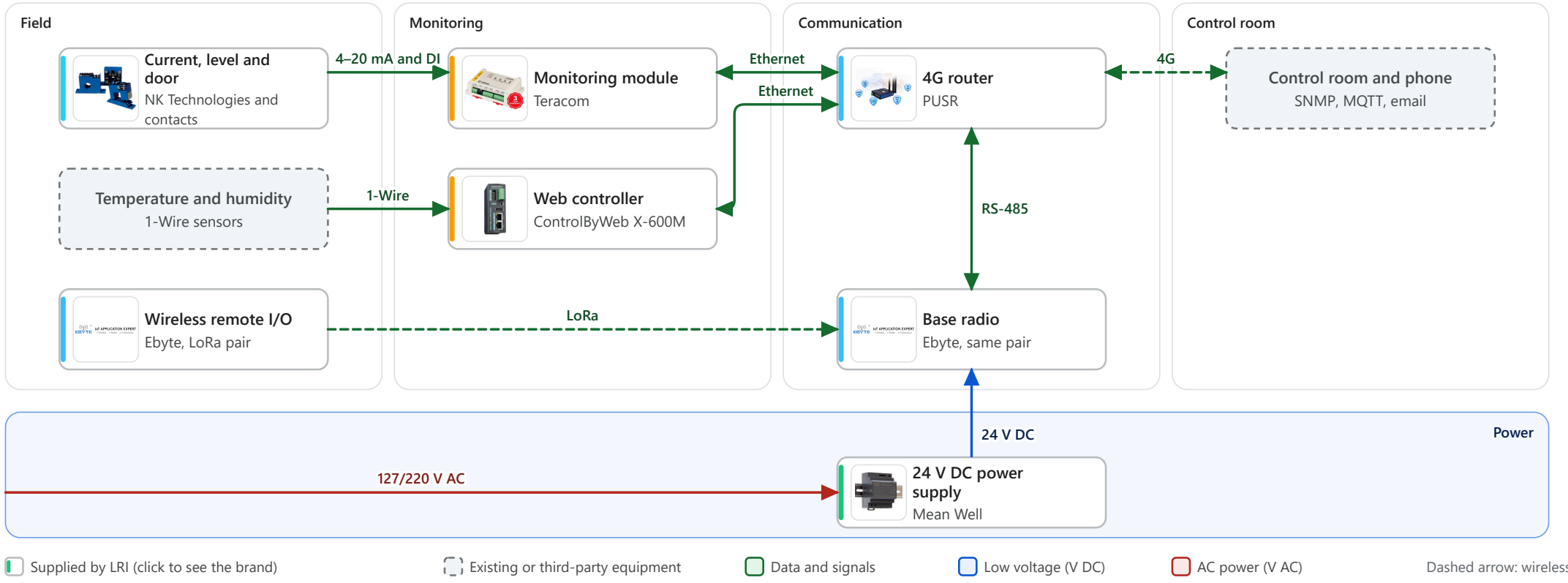
Power supply, I/O, network and supervision in one panel, linked by Modbus and Ethernet.

LRI industrial PC | LRI-CON

Functional diagram: engineering confirms the details of each connection

• SOLUTION ARCHITECTURE

Automation panel | **Remote monitoring** | Substation and energy | Machine and OEM | Wireless field connectivity | Edge and IIoT

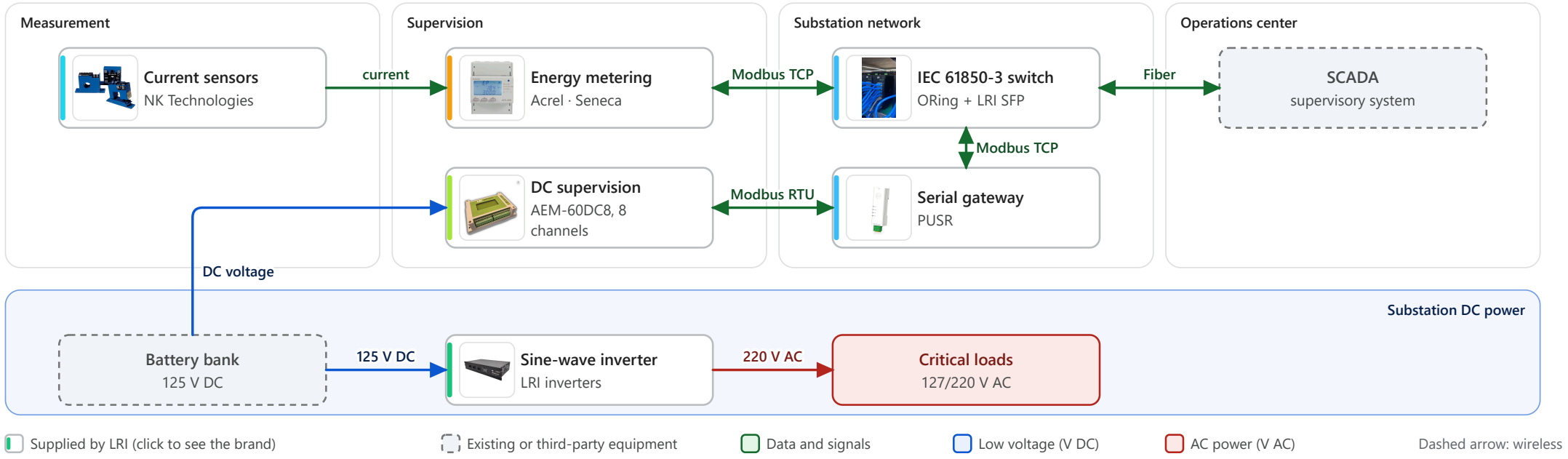


The alarm reaches the phone over Ethernet, 4G or radio, with modules configured on the web.

Functional diagram: engineering confirms the details of each connection

• SOLUTION ARCHITECTURE

Automation panel | Remote monitoring | **Substation and energy** | Machine and OEM | Wireless field connectivity | Edge and IIoT

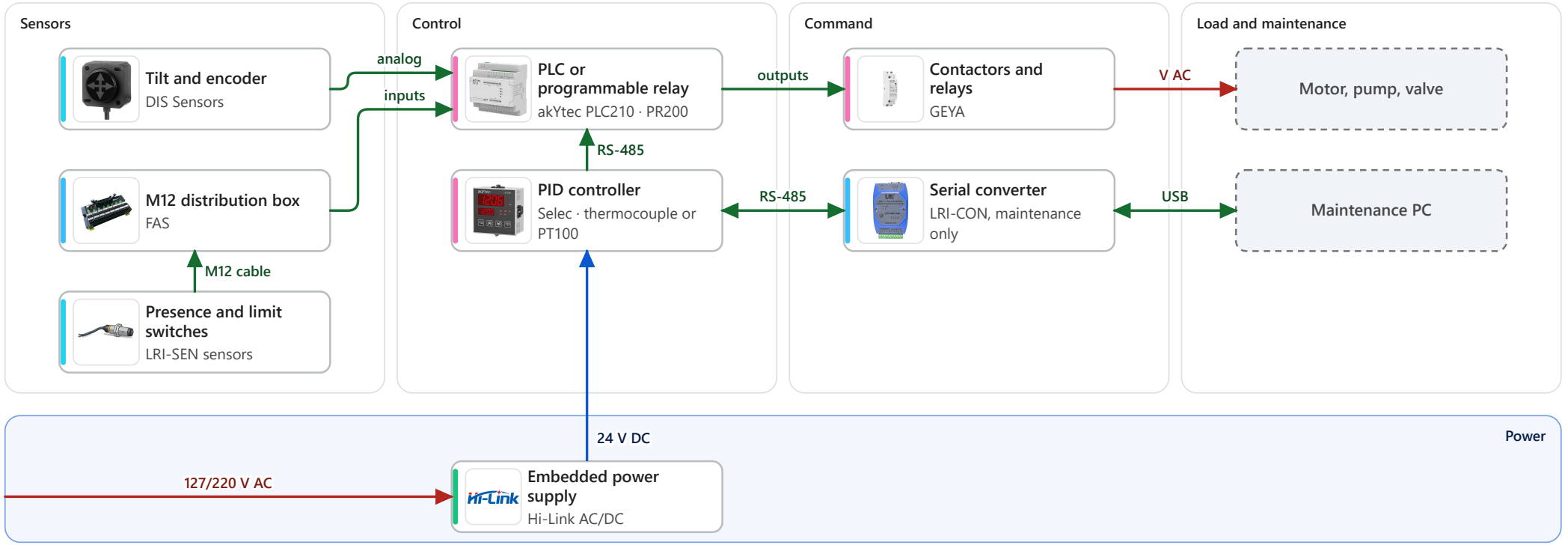


Metering, DC supervision and the substation network reach the same SCADA.

NK Technologies · Acrel · SENECA · ORing · LRI SFP · AEM-60DC8 · PUSR · LRI inverters

Functional diagram: engineering confirms the details of each connection

Automation panel | Remote monitoring | Substation and energy | **Machine and OEM** | Wireless field connectivity | Edge and IIoT



The PLC is the RS-485 master; the maintenance PC connects only with the machine stopped.
With many sensors, a FAS IO-Link hub gathers 16 signals on a single cable to the IO-Link master.

Supplied by LRI (click to see the brand) | Existing or third-party equipment | Data and signals | Low voltage (V DC) | AC power (V AC) | Dashed arrow: wireless

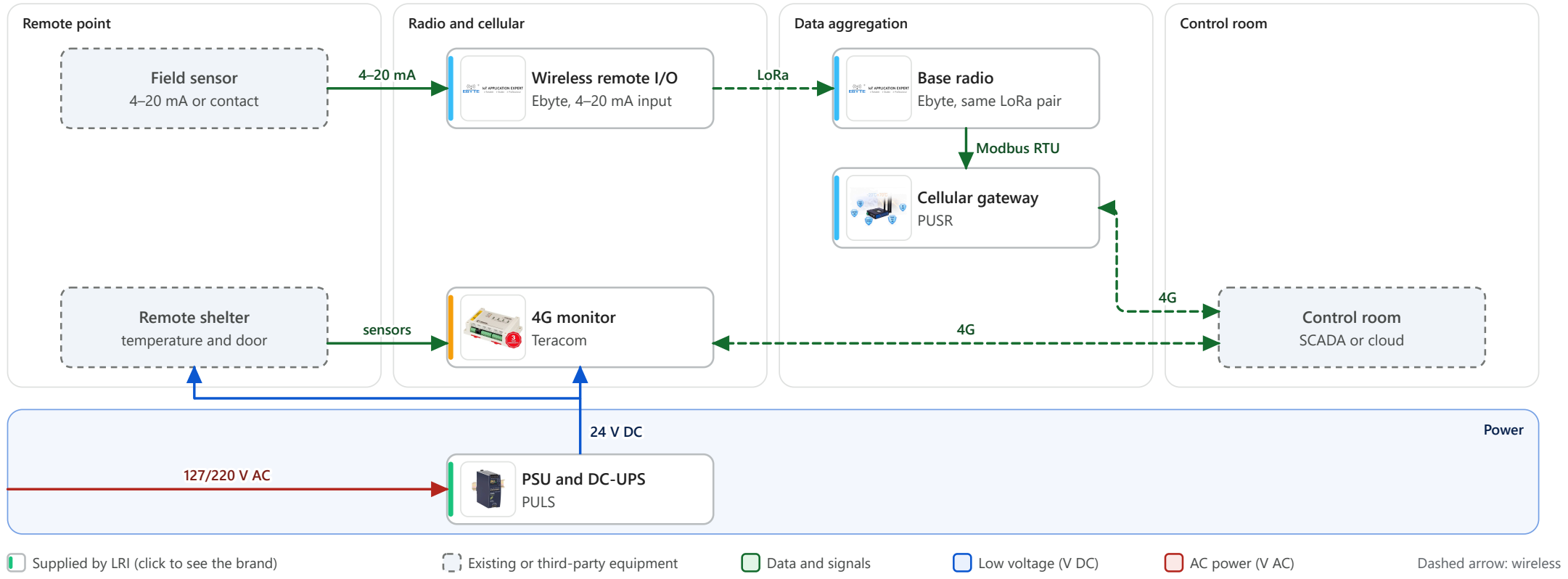
LRI sensors wired to the PLC through M12 connectors, control by field signals, RS-485 and USB for maintenance.

DIS sensors | akYtec | GEYA | 富延升FAS® | SELEC | LRI LRI-CON | LRI LRI sensors | Hi-Link

Functional diagram: engineering confirms the details of each connection

• SOLUTION ARCHITECTURE

Automation panel | Remote monitoring | Substation and energy | Machine and OEM | **Wireless field connectivity** | Edge and IIoT

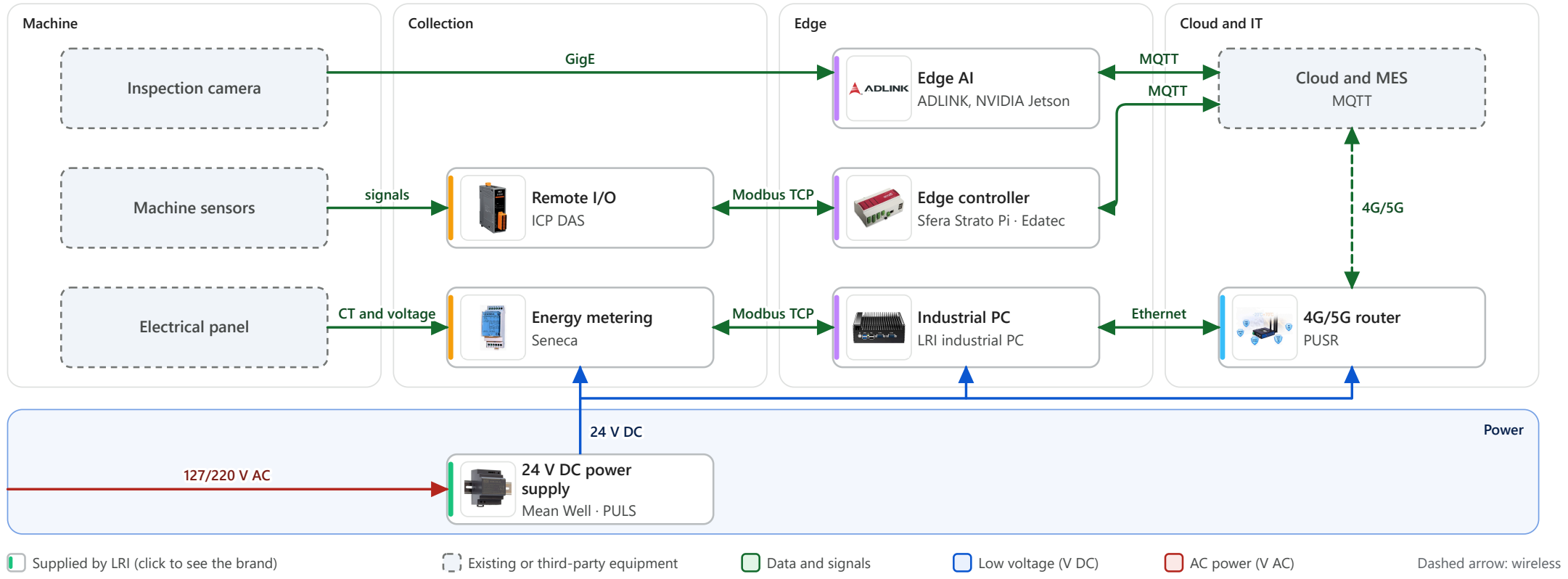


Radio and cellular carry data from where cable cannot reach.

Functional diagram: engineering confirms the details of each connection

• SOLUTION ARCHITECTURE

Automation panel | Remote monitoring | Substation and energy | Machine and OEM | Wireless field connectivity | Edge and IIoT



The edge processes next to the machine and sends only what matters to the cloud.

ADLINK | ICP DAS | SFERALABS | EDA | SENECA | LRI industrial PC | PUSR | MEAN WELL | PULS

Functional diagram: engineering confirms the details of each connection

LRI®

• WHEN IN DOUBT, TALK TO ENGINEERING

Tell us the application.
We point to the right model.

Identify the pillar, open the brand mini-site, check the datasheet in Portuguese and request a quote. Most lines are on request; the specialist confirms the configuration and lead time.

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lri.com.br · meanwellbrasil.com.br
projetos.lri.com.br · aem.lri.com.br