Embedded Systems

Embedded Systems Hungary Ltd.

Providing a full range of embedded system services
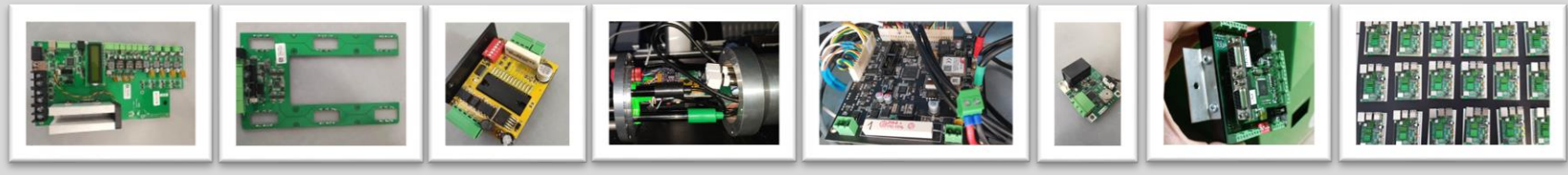
Embedded Systems Hungary Ltd.

Our services
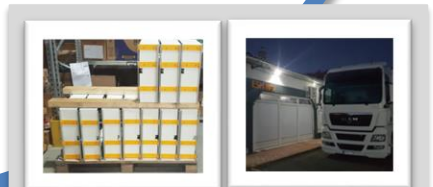
Manufacturing

Product Electronics

Software

PCB

See how we can help at each level

Embedded Systems Hungary Ltd.
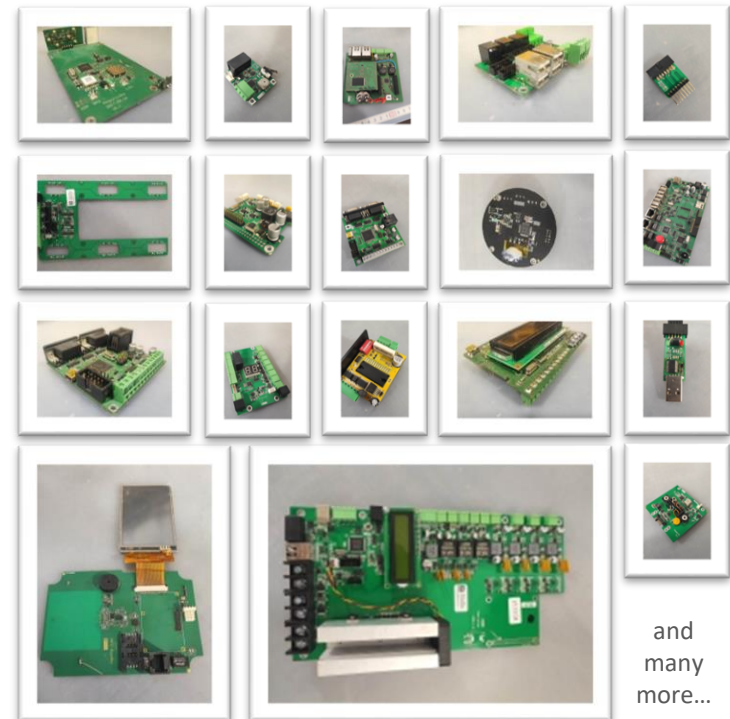
Manufacturing

Product Electronics

Software

PCB
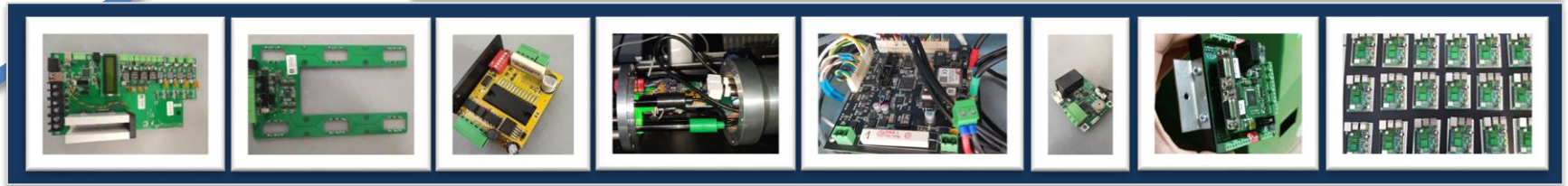
PCB how we can help

Our **expertise** includes:

- PCB Schematic desings,
- PCB Board making,
- PCB Prototyping,
- ATEX, CE, traceability, ISO,
- Stable and proven supplier network.

and many more…

PCB **how we can help**

Our **references** make us capable to assist you in these fields:

# solar	# batteries	# energy mgmt	# IoT
# sensors	# plug and play	# multi-layer	# low power
# RFID	# motors	# peripherials	# product electronics
# testers	# payment	# mobility	# industrial-grade
# explosive	# kiosks	# communication	# automation
# displays	# media network	# touch screens	# and many more...

Let's talk!

Manufacturing

Product Electronics

Software

PCB

Software how we can help

Our **expertise** includes:

PCB level

- Operating systems,
- Firmware,
- Drivers,
- Communication,
- Bootloader/FW upgrade,
- LCD/Touch displays,
- Embedded Linux,
- Embedded C,
- Embedded servers,
- Embedded databases,
- Raspberry, Arduinno, Orange Pi, Latte Panda.

Product level

- Drivers and operating firmware for multiple PCB-s and peripherials,
- Internal protocols,
- External communication,
- Energy management, charging, UPS,
- LCD/Touch displays,
- Operating systems,
- Databases,
- User and maintenance GUI, Apps.
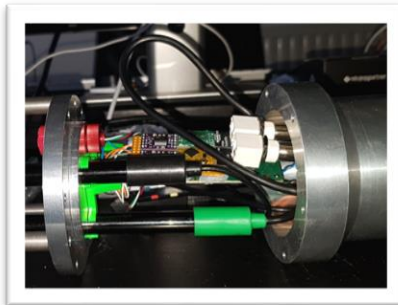
Network level

- Backend DB and GUI,
- Communication, alarm, and monitoring,
- Remote management,
- Remote firmware upgrades,
- Sensor networks,
- Integration, API-s.

Software how we can help

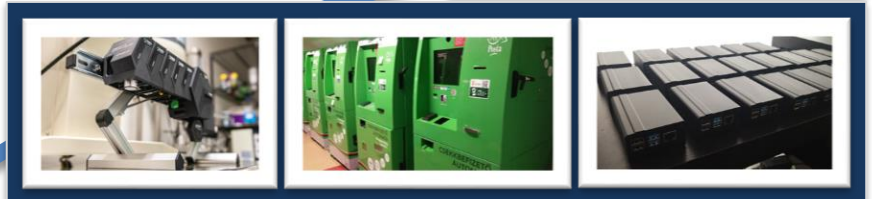Samples of our **reference** works:

PCB level

Product level

Network level

Let's talk!

Manufacturing

Product Electronics

Software

PCB

Product electronics how we can help

Our **expertise** includes:

Design and engineering

- Idea to Market, Proof of Concept,
- Appearance, functionality, mechanical and electronical design and engineering,
- Drawings and BOM lists,
- Standards and certifications compliance,
- Clear IP rights, NDA,
- ODM.

Prototyping

- Hardware manufacturing,
- Software and firmware programming,
- 3rd party equipment integrations, packaging,
- Functionality and compliance tests,
- Sourcing, supply chain,
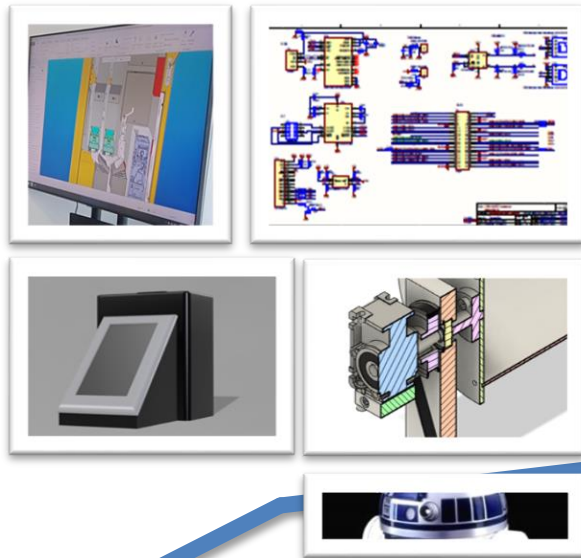- Mass production and testing plans, equipment, tools and documentation.

Making it market ready

- CE certification,
- Traceability,
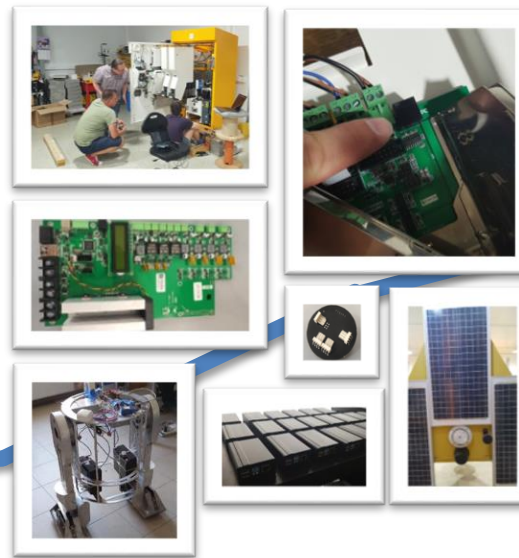- Production and delivery plans,
- ODM/Contract manufacturing.

Product electronics how we can help

Design and engineering

Prototyping

Making it market ready

Let's talk!

Manufacturing

Product Electronics

Software

PCB

Manufacturing how we can help

Our **expertise** includes:

ODM

- We can manufacture all the electronic parts and products we develop for you and we can assist you to scale it up to large sales quantities.

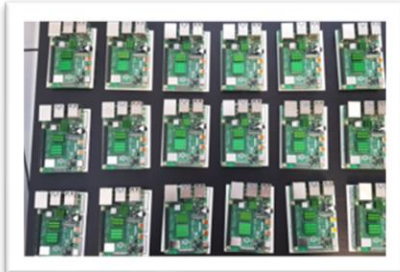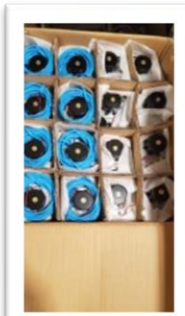### Contract manufacturing

- We can assist you to set up or relocate your manufacturing operations to us to make it more profitable for you.
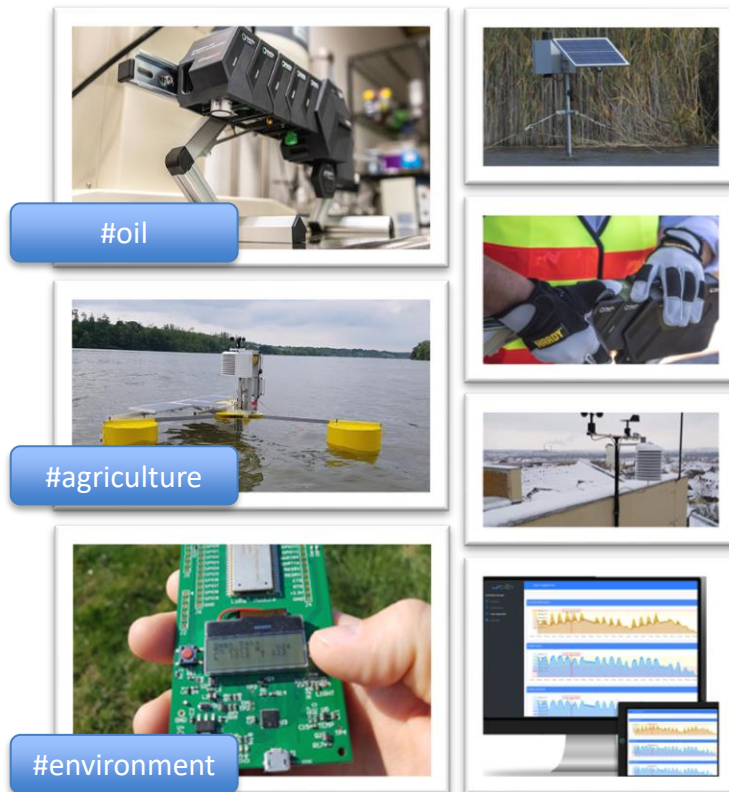
Manufacturing how we can help

Let's talk!

References

Get an insight of some of our most complex references that cover the full range of embedded system services.

EMBEDDED SYSTEMS HUNGARY Ltd.
WE SOLVE PROBLEMS

IoT references

#oil

#agriculture

#environment

- Idea to Market deliveries, ODM

- **PCB:** sensors, edge and fog devices, UPS, sensors, plug-and-play, ATEX, low power, solar and battery management PCB-s

- **Software:** firmwares, drives, communications, LoRa, Narrow Band, GSM, LTE, MQTT, Apps, backends, alert and monitoring functionalities

- **Product electronics:** complete functional, electrical and mechanical design, CE, technical and user documentations, manufacturing plans, clear IP agreements

- **Manufacturing:** mass production, QA, traceability, installation, maintenance

IoT references

Let's talk
how we can help:

IoT
Smart City
low power
plug and play
explosive Ex
water / air / fluids / gases / solids
GSM / LTE / LoRa / Narrow Band

Smart Agriculture
Environment monitoring
monitoring and alert
Edge / Fog / Cloud / Apps
healthcare

Tracking systems references
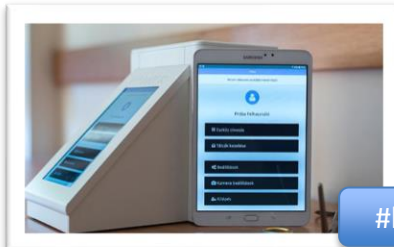
#healthcare

#military

#agriculture

- Idea to Market deliveries, ODM

- **PCB:** multiple controllers, driver boards, UPS, sensors, RFID, QR, Barcode, Data Matrix Code, GPS, motor drivers, PCB-s inside

- **Software:** firmware, driver integrations, GUI, network communications, Apps, backends

- **Product electronics:** complete functional, electrical and mechanical design, CE, technical and user documentations, manufacturing plans, clear IP agreements

- **Manufacturing:** mass production, QA, traceability, installation, maintenance

# Tracking systems references

Let's talk
how we can help:

RFID tracking   # DataMatrix, QR tracking
healthcare   # military   #industry
logistics tracking # storage tracking
usage tracking   # GPS tracking
drop tracking   # route tracking

Kiosk references

#finance

#transportation

#entertainment

- Idea to Market deliveries, ODM

- **PCB:** multiple controller, UPS, camera, motor, sensors, payment, network and alarm PCB-s

- **Software:** firmware, driver integrations, GUI, network communications, backends

- **Product electronics:** complete functional, electrical and mechanical design, CE and MNB certifications, technical and user documentations, manufacturing plans, clear IP agreements

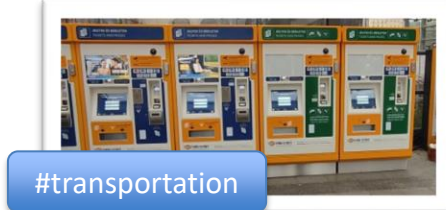- **Manufacturing:** mass production, QA, traceability, installation, maintenance

Kiosk references

Let's talk
how we can help:

payment kiosks   # parking kiosks
dosing kiosks   # EV charger stations
ticket kiosks   # information kiosks
entry systems   # outdoor equipment

Digital signage references

#commerce

#advertisement

- Idea to Market deliveries, ODM

- **PCB:** media player, UPS, network device, screen controller PCB-s

- **Software:** firmware, driver integrations, GUI, network communications, backends, advertisement editor, cloud network manager

- **Product electronics:** complete functional, electrical and mechanical design, technical and user documentations, manufacturing plans, clear IP agreements

- **Manufacturing:** mass production, QA, traceability, installation, maintenance

Digital signage references

Let's talk
how we can help:

outdoor advertising   # indoor advertising
media display network # media / info screens
advertisement editor   # network management
tracking and billing   # plug-and-play
utilizing free display surfaces or display times
customer information   # waiting points
public transportation media

…and many more

**references that could fill up many
more pages.**

Embedded Systems Hungary Ltd.

Feel free to contact us!

We'd be glad to support your embedded systems endeavours!

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