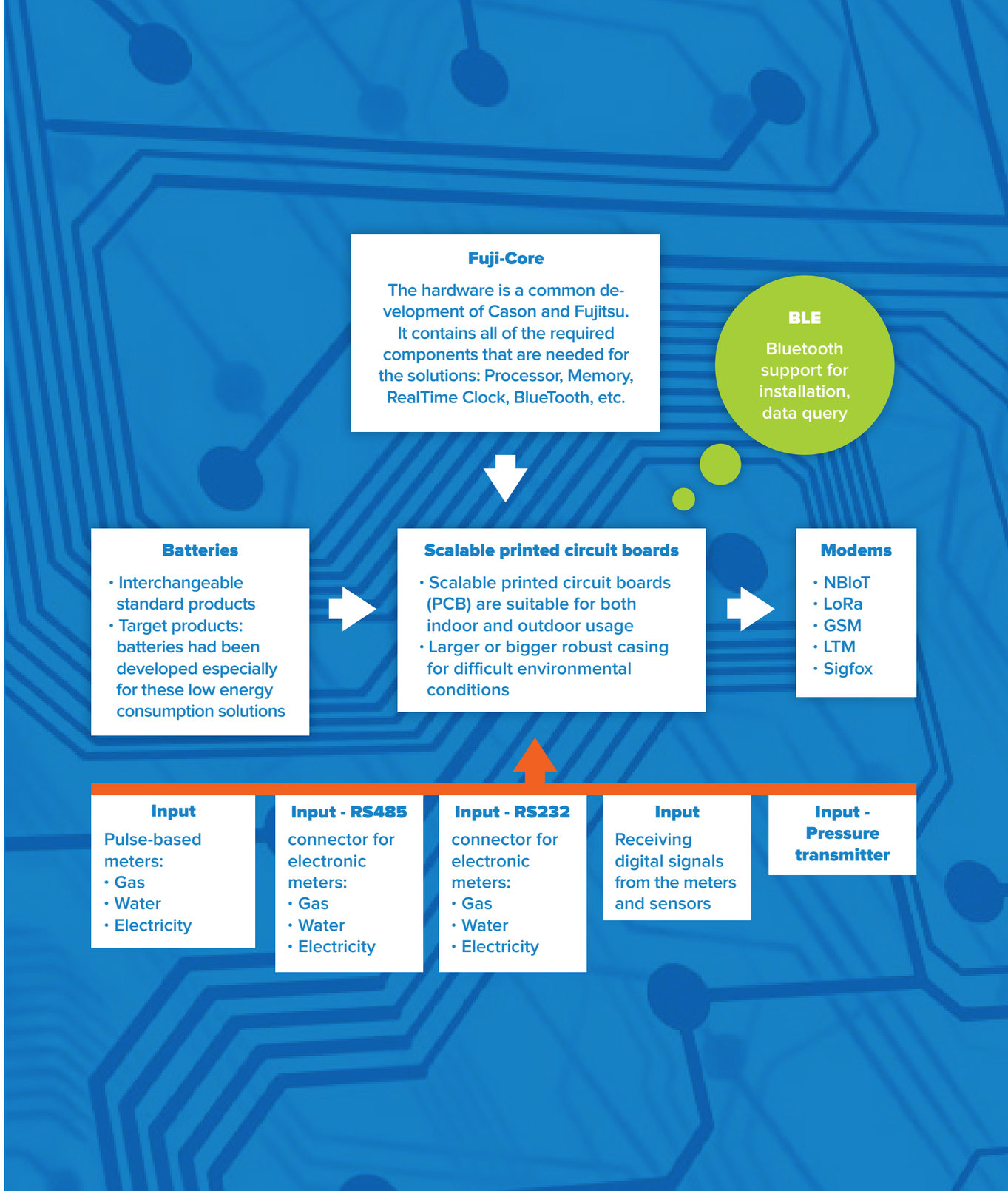
CASON smart metering and data collector solutions

Since its inception, Cason Engineering has invested heavily in developing complex metering and data collector solutions for domestic and international energy and water utility companies as well as industrial users. The company is more than 20 years old in the marketplace.

Our innovative, dynamic team of developers has always created state-of-the-art metering solutions which meet the requirements of the latest industry standards and technologies. The timely and accurate data obtained from the developed and produced meters allows our customers to take control of energy and water network supervision and data management.

In line with today's era, we can provide various modularly customizable metering and data collector solutions and related services for energy and water utilities as well as industrial users with our new generation, IoT and Industry 4.0 standard products and solutions.

Cason Engineering Co.'s product portfolio allows performing measurement and data collection in almost any physical medium (gaseous state, liquid).
Our field devices can operate for up to 10 years without maintenance.



DW 256 ULLX Y LPWA (Low Power Wide Area) product line

The product family is basically a complex solution for collecting and transmitting pulse-based metering data for public utility (water, gas, electricity) metering devices. it is also suitable for transmitting other measurement data (like pressure).

The device processes the signals of gas consumption meters (plate-casing, diaphragm, rotary, turbine), water meters, electrical meters and various digital sensors. The device has its own power supply, which ensures a high degree of autonomy and up to 10 years of maintenance-free operation. The device reads the consumption data from the field meters automatically, stores it in its memory and then transmits those at a predetermined time interval through the respective LPWA (LoRA, NB IoT) communication channel into the central measurement database.

DW 256 ULLX Y LPWA

- **X indicates the communication technology**
  - N = Narrow Band IoT (NBIoT)
  - L = LoRa
  - S = SigFox (uder developement)
- **Y indicates the measured energy or water**
  - G = Gas
  - W = Water
  - E = Electricity
  - WP = Water Pressure

The device has been developed according to the latest Industry 4.0 and Industrial IoT standards. It has a modular ultra-low power architecture and is manufactured with a compact high-energy LiOn battery.

Key Features:

- Pulse-based input and RS485 connector
- LPWA communication
- NB IoT and LoRAWAN
- Bluetooth 4 LE/LR
- Own power supply - More than 10 years of battery life
- It is also available with IP67-68 Water & Dust Resistance casing
- It is also available with ATEX certified design
- Fast and reliable installation
- Automatic data collection
- Remote (over-the-air) firmware configuration

Its area of the solution is typically the measurement of residential and industrial endpoints of public utilities, providing cost-effective and long-term solutions for metering and data transmission.

The device offers an optimal solution for reading data from different measuring devices in locations where power supply is not available.

DW 256 ULL G
for natural gas meters with impulse output

DW 256 ULL W
for water consumption with pulse output

DW 256 ULL WP
for water pressure measurement

DW 256 ULL WD
Water for digital signalling (pressure switches)

CASON DW 256 ENC

The mechanical design of the ELSTER measuring equipment is known and accepted for all gas market players. The meter manufacturer has built a digital encoder in the counter structure that allows electronic reading of the mechanical counter wheels.

CASON has developed a solution that is connected to the ENCODER electronics, stores and transmits its data. The communication solution can also use LPWA or GSM technology. The advantages of this solution:

- the validity of the measurement cannot be affected by any electronic error,
- it ensures the retrieval of the measured data.