



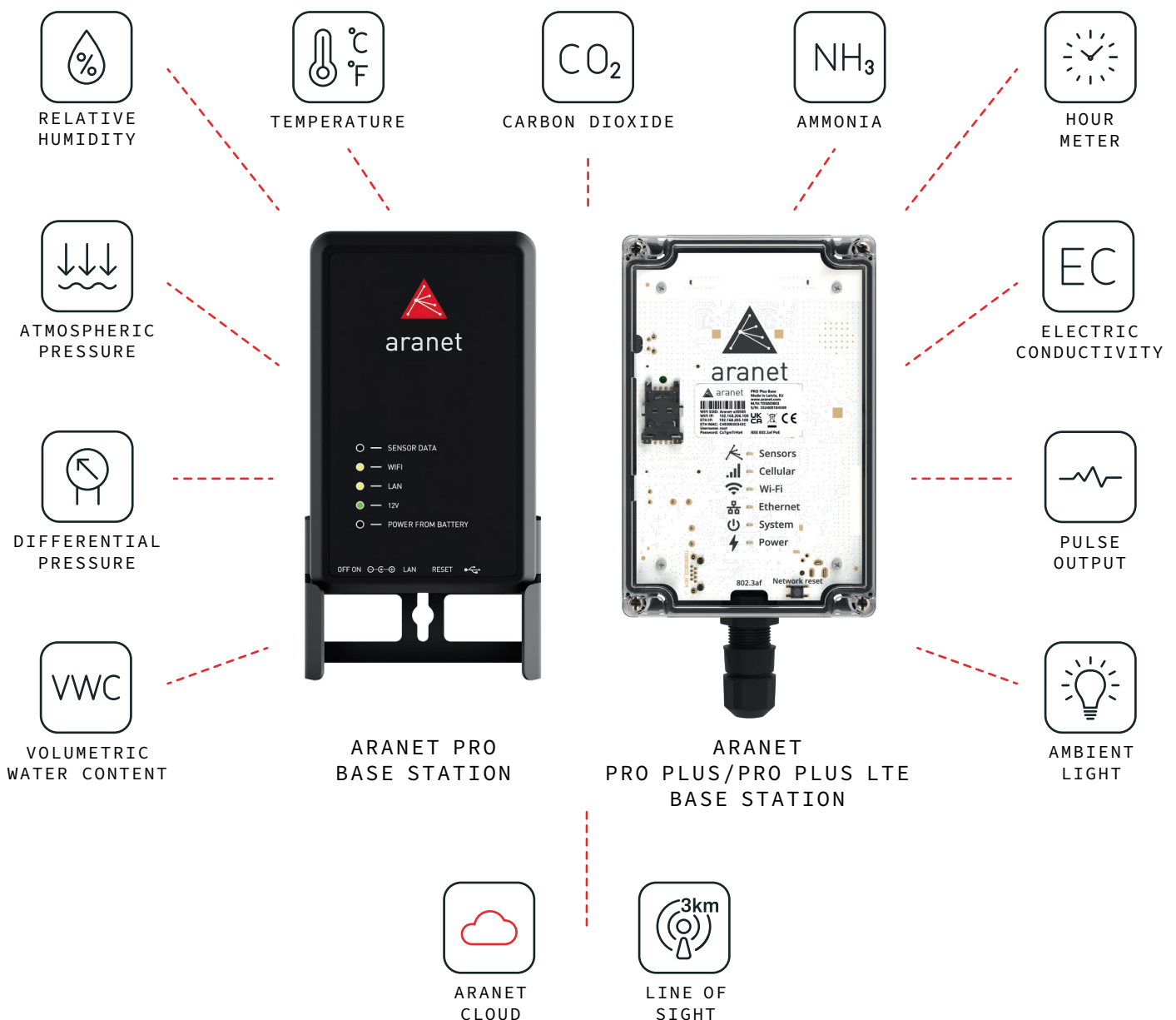
Aranet wireless monitoring solutions for poultry farms

The Aranet wireless IoT solution for chicken farms is a new, disruptive technology for the poultry industry. Environmental sensors using proprietary Aranet radio technology offer unprecedented ease of use in both setup and operation. Obtain detailed views of barn microclimates, troubleshooting negatives like respiratory disease and footpad infections. In-built alarm functionalities allow real-time reaction to potential problems, saving costs and chicken lives.

The Aranet system

The Aranet poultry solution consists of a **wireless environmental sensor network** sending data to an **Aranet PRO/PRO Plus/PRO Plus LTE base station** using Aranet 868/920 MHz radio technology. The base station has internal memory for data storage up to 10 years, a built-in webserver, and free software for alarms, graphing, data export, and configuration.

A single **Aranet Cloud** dashboard can host several different base stations; a convenient feature for large-scale operations. The system is plug-and-play with industry-leading installation simplicity. It can be deployed rapidly, even by those without prior IT knowledge.





Ammonia-resistant temperature and relative humidity sensors

Providing the correct climate is key to producing healthy, happy birds. However, conditions are rarely uniform across barns. Fixing this, Aranet wireless temperature and relative humidity sensors provide detailed 3D views of temperature and humidity distributions. They are ammonia resistant, ensuring continual operation.



Ammonia sensors

Excessive ammonia (NH₃) poses health risks to both farmers and animals. It irritates eyes, damages respiratory tracts, decreases appetite, and causes lethargy. However, maintaining normal NH₃ levels is much easier under effective monitoring conditions.

CO₂ sensors

Carbon dioxide is a key indicator of ventilation quality in chicken barns. While birds can withstand higher CO₂ levels than humans, certain limits should not be exceeded or their health will decline.



Light sensors

Lighting is essential in chicken development, reproduction, and growth. The Aranet LUX sensor monitors light intensity and duration, ensuring bird health, controlling feed intake, and streamlining boiler intensity.



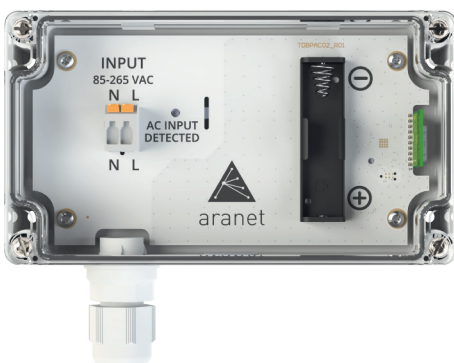
Impulse counters

Adding impulse sensors to water, electricity, and heat meters allows easy aggregation of all utility data in one place; providing simple cost evaluation and optimization.



Aranet AC Hour meter

Track chicken feed consumption precisely to identify irregularities. Any drastic shift in food usage is an indication of health problems. Streamline feed consistency to ensure proper, well-scheduled bird development.

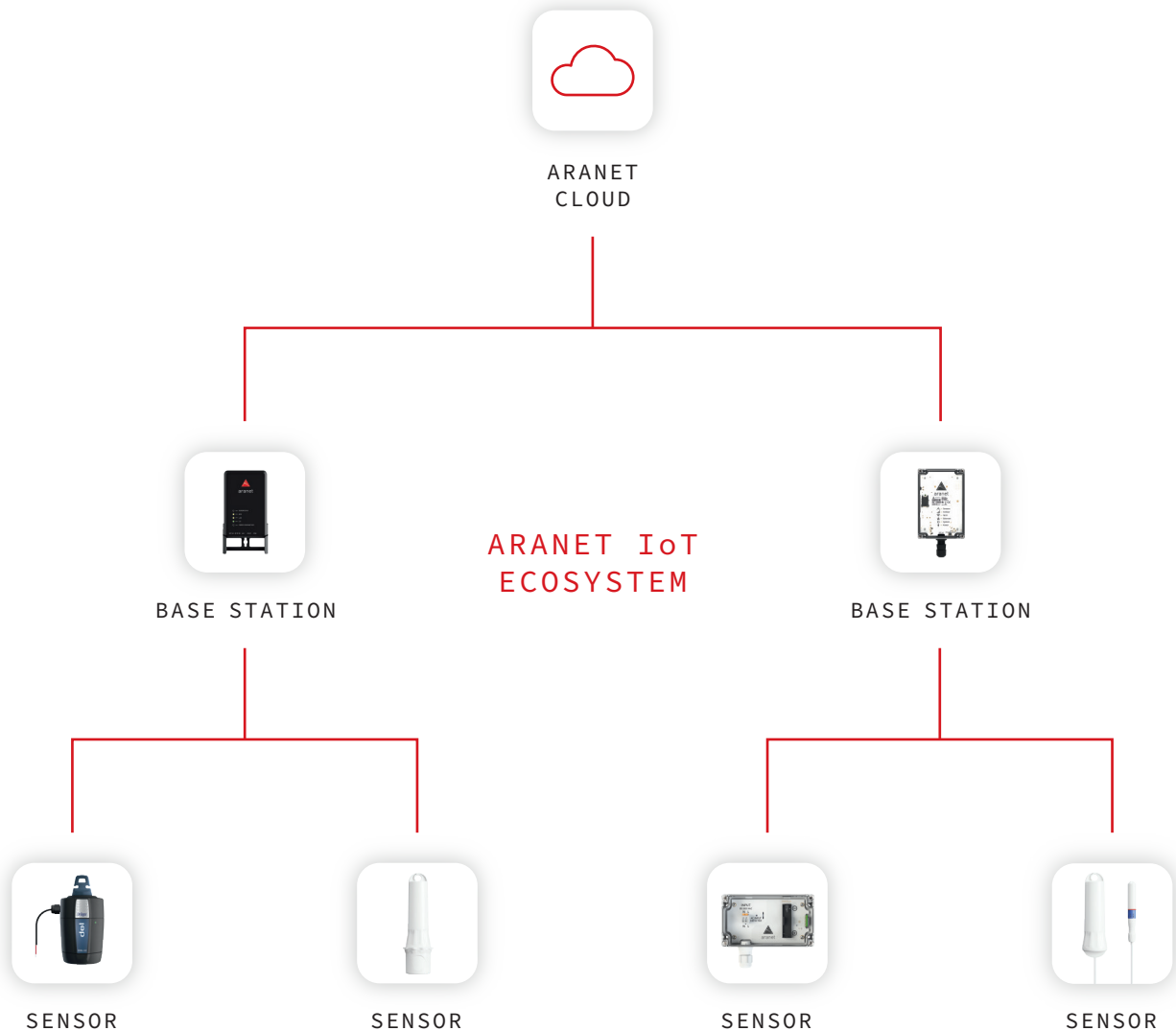


Differential pressure sensors

When identifying potential problems, shifts in pressure are measured and transmitted in under one minute. This saves essential time – relative to monitoring broader metrics like temperature. With faster access to crucial information, response delays are shortened, saving time and birds.



Raising your poultry *smarter*



Sensors

Specialized wireless sensors monitor indoor and/or outdoor conditions

Base stations

Individual (or a group of) base stations gather and store sensor data

Cloud

Access, view, and analyze all sensor data in one place, from anywhere.

Try the Aranet wireless monitoring solution for poultry farms today. Reduce costs, increase profits, and ensure healthy, productive chickens.