APPLICATIONS: ENVIRONMENTAL & HVAC
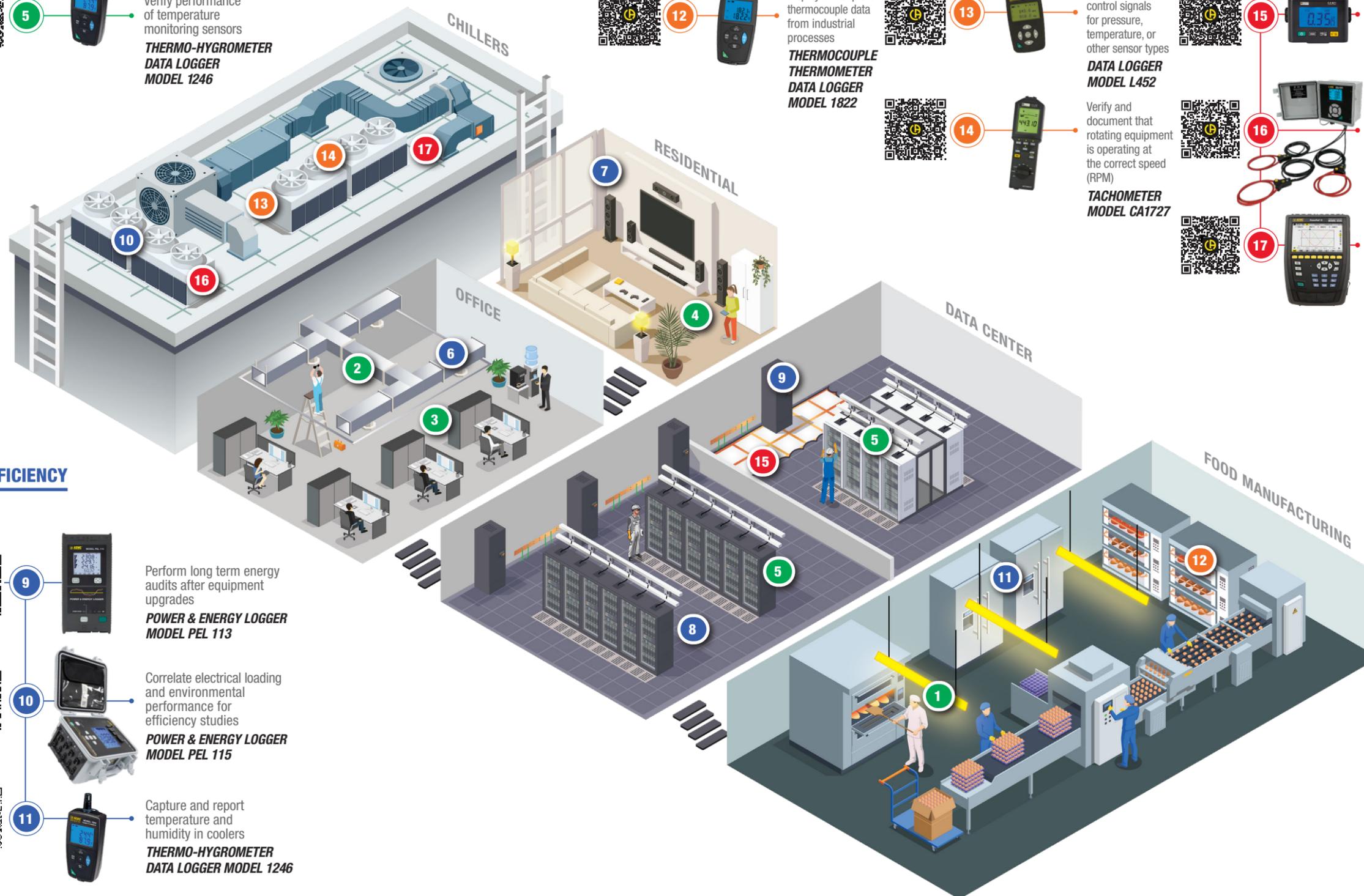
AEMC® INSTRUMENTS
CHAUVIN ARNOUX GROUP

INDOOR ENVIRONMENT QUALITY

1 Measure and create lighting intensity maps for compliance studies
LIGHTMETER DATA LOGGER MODEL 1110

2 Log and map vent airflow for building commissioning
THERMO-ANEMOMETER DATA LOGGER MODEL 1228
COMING SOON!

3 Log CO_2 over a week to verify proper air exchange and ventilation performance
AIR QUALITY LOGGER MODEL 1510

4 Verify indoor air quality with temperature, humidity, and CO_2 reporting

5 Verify performance of temperature monitoring sensors
THERMO-HYGROMETER DATA LOGGER MODEL 1246

THERMAL PERFORMANCE AND ENERGY EFFICIENCY

6 Inspect thermal insulation performance on building envelope components
THERMAL IMAGING IR CAMERA MODEL 1954

7 Locate leaking air and thermal losses with infrared scans

8 Create visual images of plenum airflow and temperature on cooling systems

9 Perform long term energy audits after equipment upgrades
POWER & ENERGY LOGGER MODEL PEL 113

10 Correlate electrical loading and environmental performance for efficiency studies
POWER & ENERGY LOGGER MODEL PEL 115

11 Capture and report temperature and humidity in coolers
THERMO-HYGROMETER DATA LOGGER MODEL 1246

CONTROLS, SENSORS, AND SIGNAL VALIDATION

12 Display and capture thermocouple data from industrial processes
THERMOCOUPLE THERMOMETER DATA LOGGER MODEL 1822

13 Log and display control signals for pressure, temperature, or other sensor types
DATA LOGGER MODEL L452

14 Verify and document that rotating equipment is operating at the correct speed (RPM)
TACHOMETER MODEL CA1727

ELECTRICAL PERFORMANCE FOR ENVIRONMENTAL SYSTEMS

15 Verify low resistance continuity on static control systems in sensitive environments
CONTINUITY TESTER MODEL CA6011

16 Measure three-phase current balance on chillers, fans, and other HVAC equipment
DATA LOGGER MODEL DL913

17 Log current harmonic on the line side of drives
POWERPAD® IV, CLASS A, MODEL 8345

CHILLERS

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FOOD MANUFACTURING

AEMC® INSTRUMENTS
Technical Assistance (800) 343-1391

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