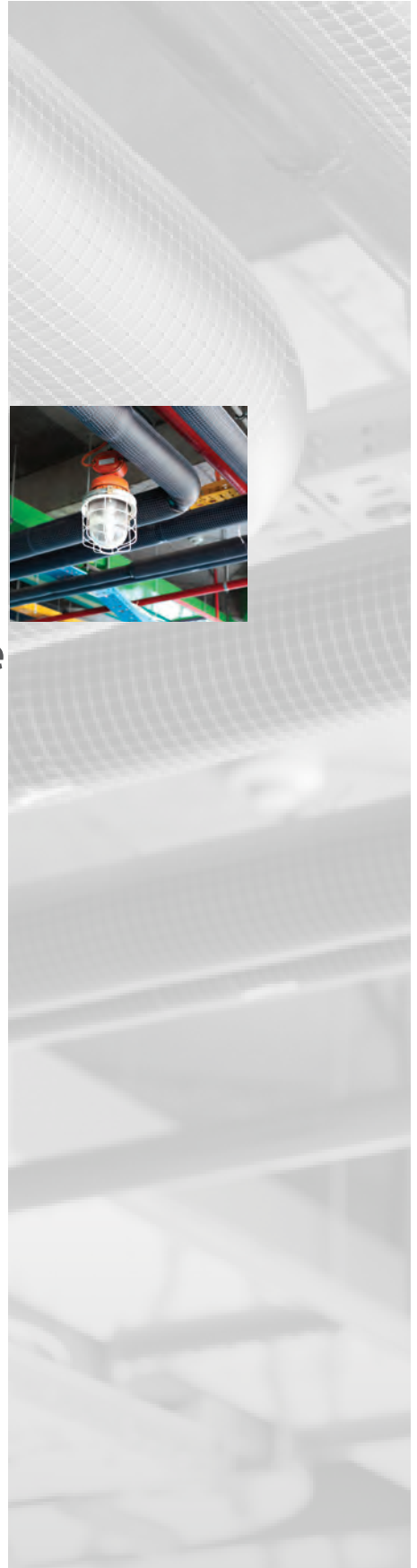


# Flow Instrumentation HVAC and Water Solutions



**Solutions for Building Performance  
and Sustainability**



# Building Performance Solutions

## **Measurable Performance.**

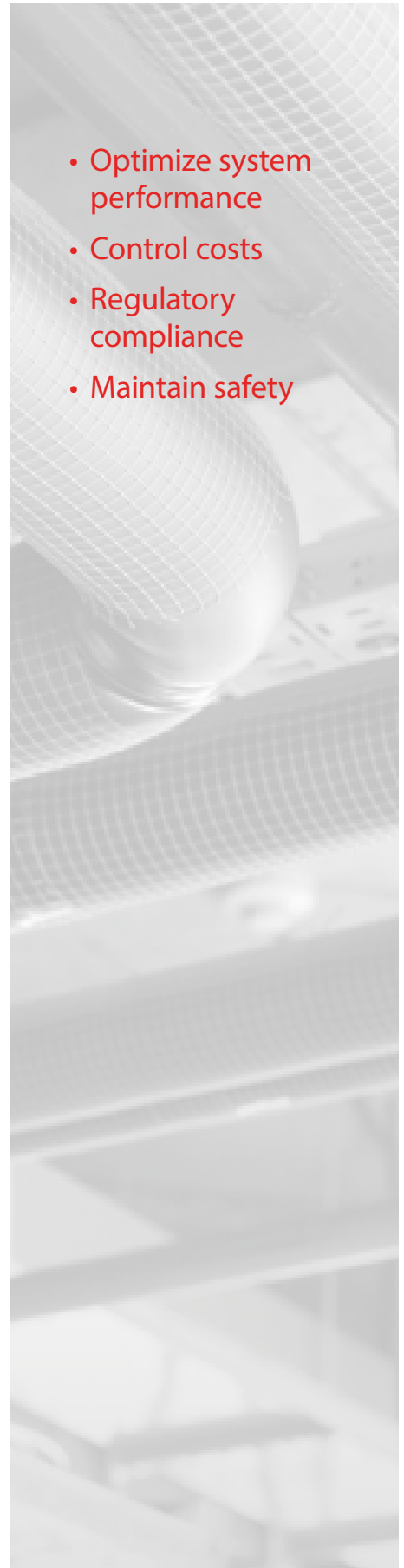
You and your customers expect peak performance every day year-round from your HVAC, hydronic chilled/hot water applications and irrigation systems. Optimizing these systems to meet ever changing requirements and tenant demands can be time consuming and costly.

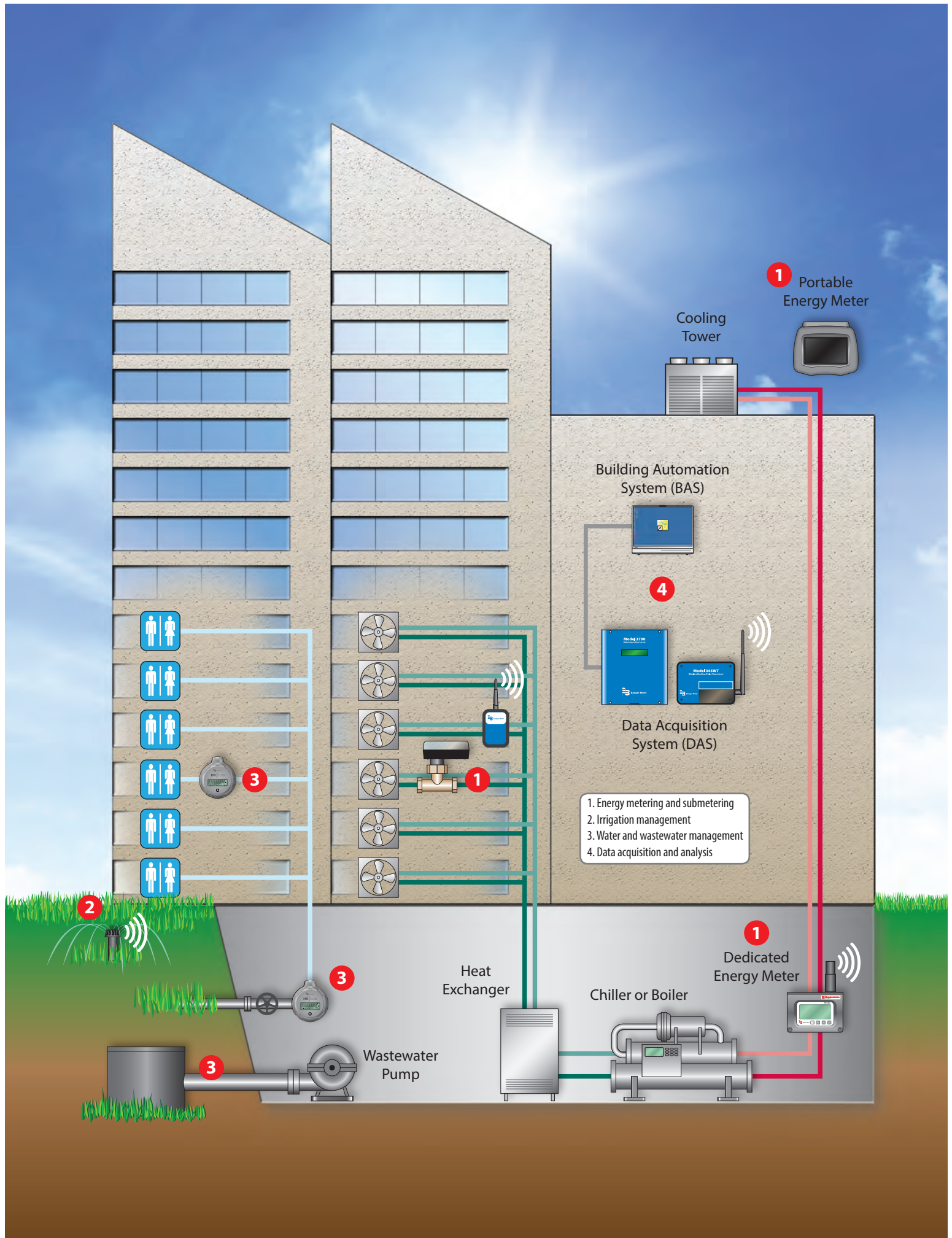
The Badger Meter family of products provides reliable accurate measurements, energy calculations and integrated data communications to increase your building's system performance. We offer a wide variety of products that provide energy and flow measurement designed to obtain the highest system performance possible even under the most challenging conditions.

## **Badger Meter offers solutions for:**

- Energy metering and submetering
- Irrigation management
- Water and wastewater management
- Data acquisition and analysis

- Optimize system performance
- Control costs
- Regulatory compliance
- Maintain safety







# HVAC Systems

Measure your energy costs for both hydronic chilled and hot water applications with Impeller and Dynasonics® Btu meters from Badger Meter. Both systems integrate metering components with flow and temperature sensors to provide an effective metering solution for your facility.

Our systems have the flexibility to interface with most control systems utilizing BACnet™ MSTP, BACnet/IP, EtherNet/IP, LonWorks®, Metasys®, Modbus® RTU or Modbus TCP/IP. Scaled pulse and analog outputs are also available.

## Applications:

- Energy submetering
- Energy distribution
- System monitoring
- Operating efficiency calculations



- Dynasonics® portable clamp-on ultrasonic meters
- Impeller energy meters
- Dynasonics dedicated ultrasonic Btu/flow meters
- ModMAG® electromagnetic flow meters

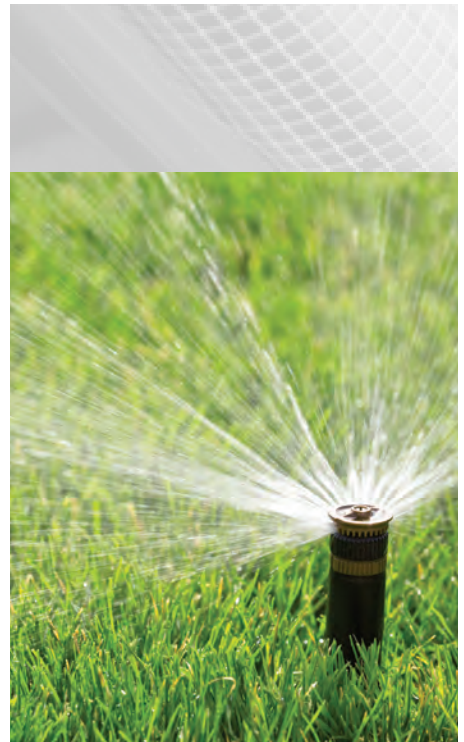


# Irrigation Systems

Badger Meter offers impeller sensors that are used to measure liquids in a variety of commercial and industrial applications. Our insertion and in-line impeller meters serve a wide range of markets including irrigation and utilize irrigation-style sensors designed for use below grade and in wet locations. Badger Meter data acquisition and data management systems, either direct wire or wireless, leverage our years of expertise in the Automatic Water Meter Reading market.

## Applications:

- Turf management
- Landscape irrigation
- Rainwater recycling



- Wireless flow meter sensors
- Flow transmitters

# Water and Wastewater Systems

Piping systems are dynamic. Installing a reliable network of flow measurement instruments ensures proper system performance and provides cost and energy benefits. Measurement of water, wastewater and gray water usage helps identify a building's carbon footprint. Badger Meter impeller, ultrasonic, electromagnetic and turbine meter products measure water efficiently and effectively to encourage energy conservation and financial savings.

## Applications:

- Water management
- Wastewater management and onsite pre-treatment
- Gray water management



- Dynasonics dedicated ultrasonic flow meters
- ModMAG electromagnetic flow meters
- Recordall® disc meters
- Recordall compound and turbo meters

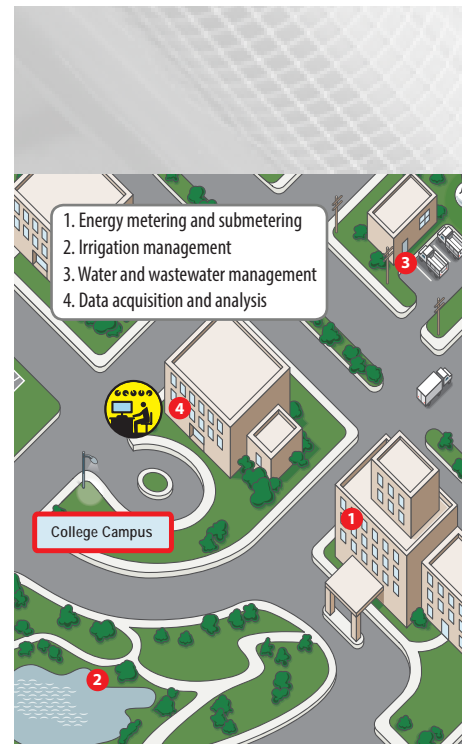
# Communication Systems

## Communication is Key

Connectivity is a key aspect to a successful building automation system (BAS). Badger Meter products adapt to almost any system utilizing communication networks, pulse, analog, or wireless. We can make it happen. We offer modular components to provide greater flexibility, even when used with third party solutions. Through advanced communication protocols, outputs from Badger Meter products provide information to BASs, enabling them to make adjustments in real-time and to collect valuable operational data.

## Simple and Efficient

Our meters, valves and sensors offer simple system performance solutions for buildings or campuses at an affordable cost. With a family of Badger Meter products for a wide range of needs, it is easy to go from a stand-alone system all the way to a full-service BAS environment.



- Flow/Btu monitors
- Btu energy transmitters
- Data acquisition systems
- BEACON® Advanced Metering Analytics (AMA) with ORION® cellular communications







## Control. Manage. Optimize.

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