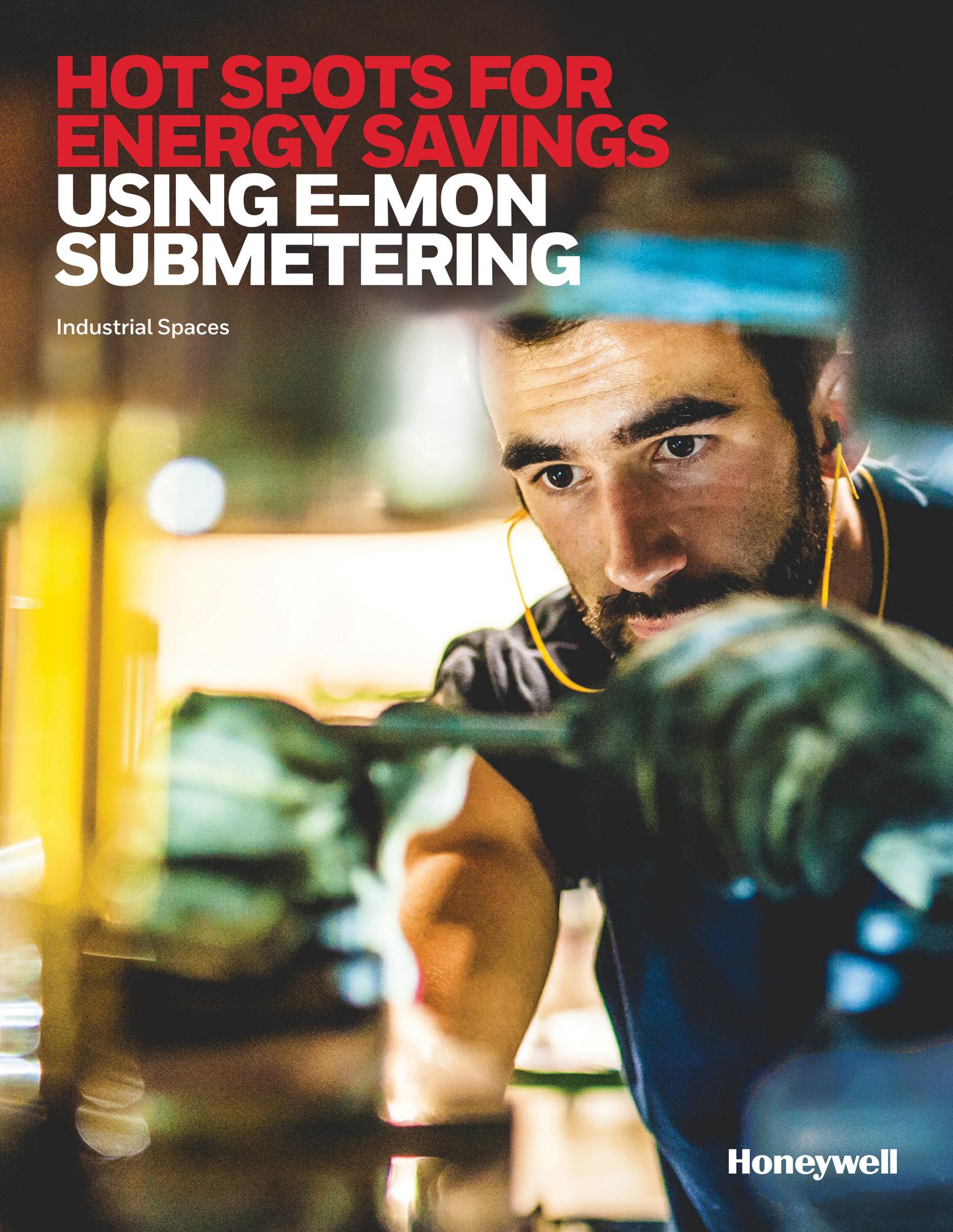


# HOT SPOTS FOR ENERGY SAVINGS USING E-MON SUBMETERING

Industrial Spaces



Honeywell

# E-MON SUBMETERING INDUSTRIAL SPACES

The U.S. Energy Information Agency predicts commercial and industrial electricity costs will increase by an average of 5.5% over the coming year.<sup>1</sup> To offset this increase, many building managers are trying to optimize energy use and reduce operational costs. The Honeywell E-Mon submeters provide a solution that delivers comprehensive monitoring options, and allows managers to track energy costs by area, department or equipment. Installed downstream from the utility meter to monitor systems and usage, E-Mon submeters can also provide indications of deteriorating or problematic equipment.

Honeywell E-Mon submeters can help deliver energy savings in multiple areas.

## DEMAND ANALYSIS & LOAD CONTROL

Users are often billed high kilowatt demand rates for an entire month or multiple months, even if the demand only occurs for a 15-30 minute period. To avoid these exorbitant costs, it is vital to identify usage peaks and proactively take steps to reduce them. Graphic profiling of individual or aggregated loads can pinpoint peak usage areas or equipment. With this data, manufacturers are able to employ load controlling devices to set high/low thresholds, control loads and reduce energy costs.

## PRODUCTION RUN ALLOCATION

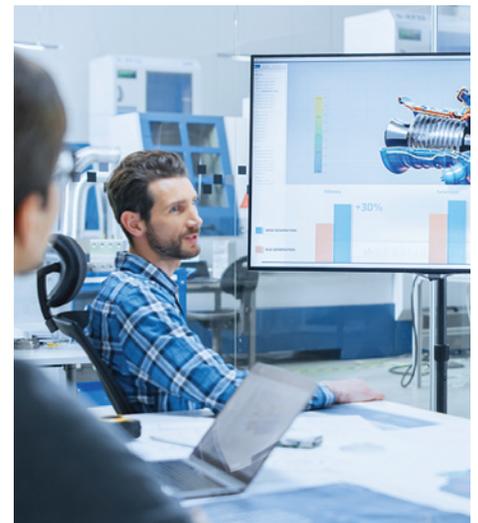
Submetering allows manufacturers to identify exact energy costs by production line, production run, individual piece of equipment or the entire facility. This data enables manufacturers to accurately allocate energy costs to individual products or customers, avoiding estimation errors while increasing profitability. For manufacturers that produce multiple products, this key data can help generate accurate costing models and profitable price levels.

## DEPARTMENT ALLOCATION

Manufacturing facilities often have more than production areas within their facility: accounting, testing, quality control or maintenance. Monitoring energy usage of non-production departments allows businesses to drill down on energy usage to identify how, when and where energy is being used. In addition to separating production from other departments, businesses can allocate energy costs to these individual departments, ensuring accurate budgeting and increased energy efficiency.

## EQUIPMENT MAINTENANCE PROGRAMS

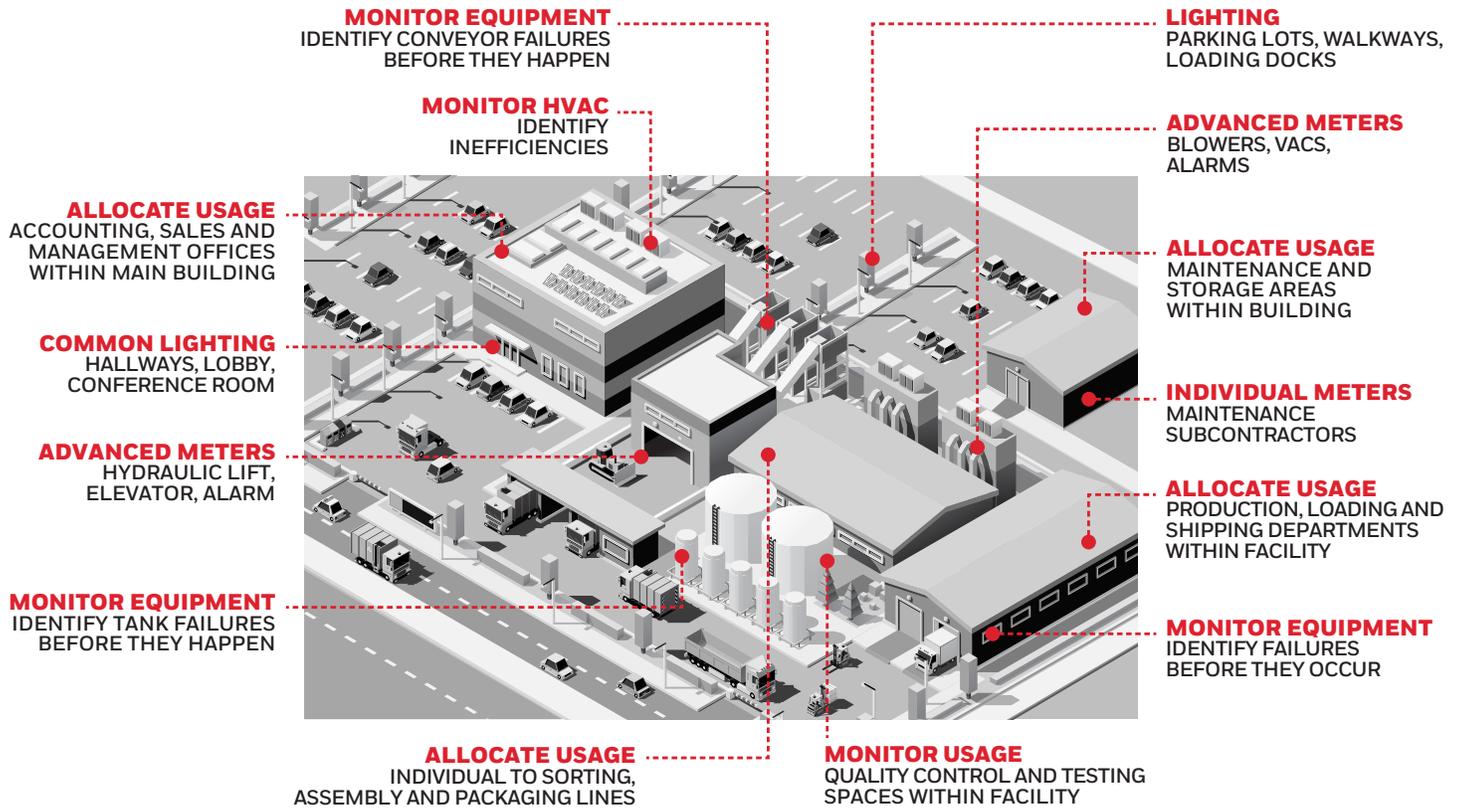
As the cost of doing business increases and budgets are more constrained, it is more important than ever to avoid production interruptions and costly equipment replacement. Submeters can be installed on key pieces of equipment to monitor usage and identify potential failures. This allows facility managers to take proactive steps to schedule repairs before equipment fails, thus avoiding costly and unexpected downtimes.



<sup>1</sup> <https://www.eia.gov/electricity/data/browser/#/topic/7?agg=2,0,1&geo=g&freq=M>

# E-MON SUBMETERING INDUSTRIAL SPACES

## TYPICAL MANUFACTURING FACILITY METERED POINT MAP

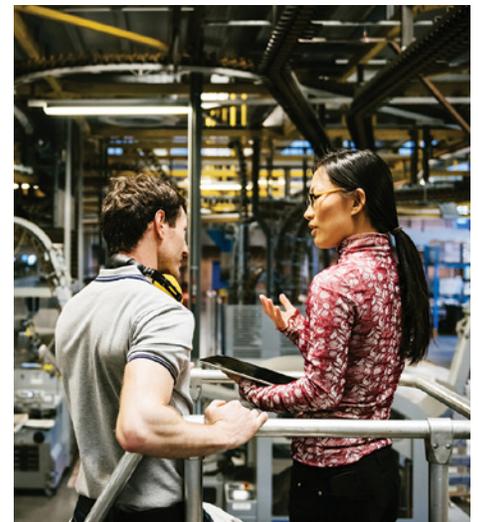


### Applications

- Identify and allocate energy usage to individual production lines, production runs or pieces of equipment
- Track costs to non-production departments, lighting and other common areas for budget analysis
- Monitor manufacturing and other building equipment to identify potential failures before they happen
- Analyze HVAC equipment to identify inefficiencies

### Alternative system configurations

- Advanced meters – monitor loads for demand analysis, single-point load control and alarming
- Automatic meter reading with E-Mon Energy software – generate individual usage statements and demand graphs for usage analysis, load aggregation and energy cost reduction
- MMU cabinets – order meters installed in one compact enclosure and save installation time and valuable building space



### Free Site Evaluation

To receive a free review of your education campus or for more information about Honeywell E-Mon submeters, please visit [hwl.co/energymeters](http://hwl.co/energymeters)

**For more information**

[hwl.co/energymeters](http://hwl.co/energymeters)

**Honeywell Building Technologies**

715 Peachtree St NE  
Atlanta, Georgia 30308  
buildings.honeywell.com

RightEnergy is a trademark or registered trademark of  
ERE POWER LLC in the United States and other countries.

BMS-FY-EMON-Industrial | 01-00277 | 2021-09-10  
©2021 Honeywell International Inc.

**THE  
FUTURE  
IS  
WHAT  
WE  
MAKE IT**

---

**Honeywell**