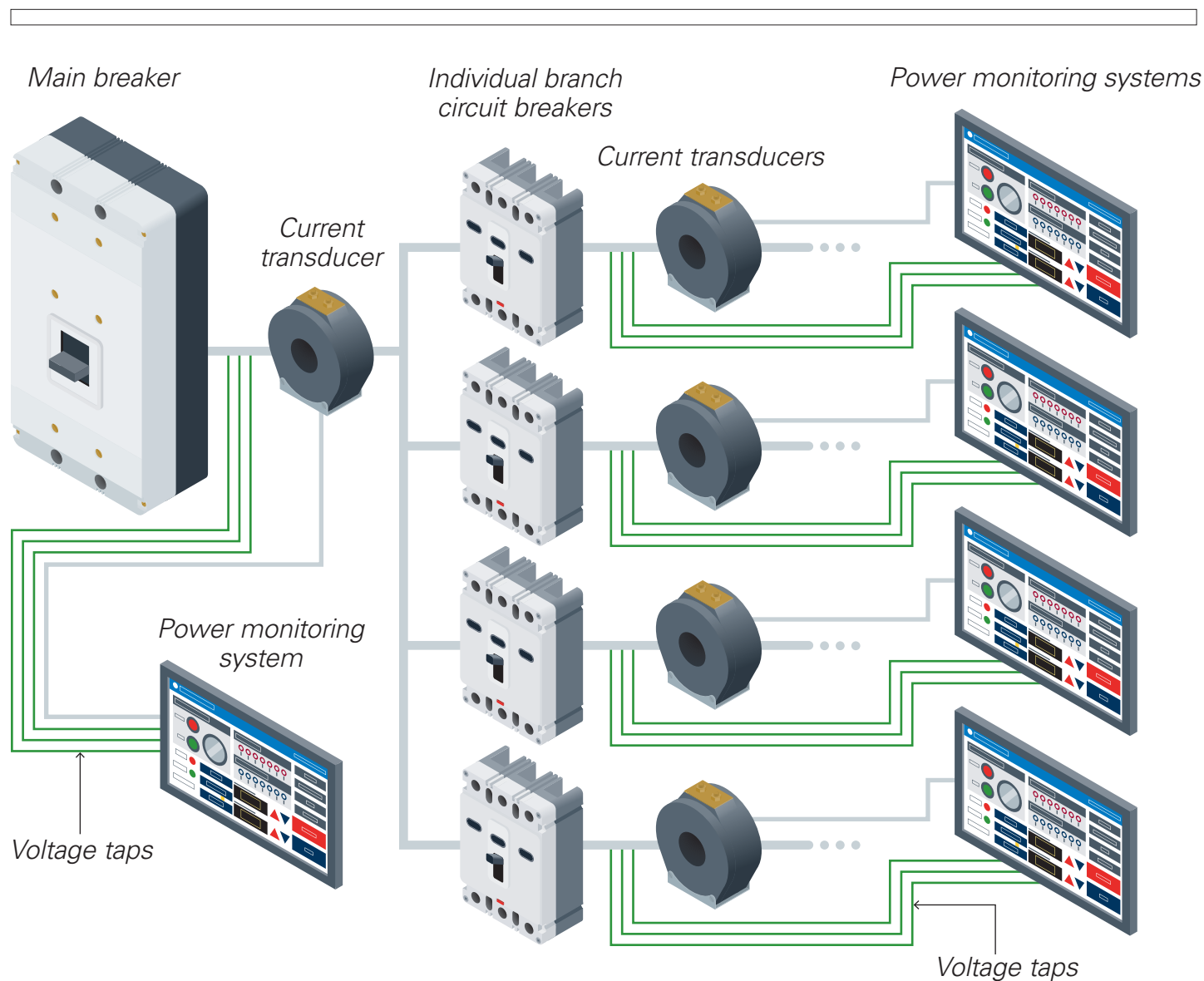


INCREASE INTELLIGENCE REDUCE FOOTPRINT

IoT-enabled circuit breakers transform data center power distribution—saving space, time and energy costs

Anatomy of a traditional data center power distribution unit (PDU)



The challenge

In order to monitor power, each PDU sub-feed circuit breaker requires three current transducers (CTs), and voltage taps wired to a central control board. Although CTs and voltage taps provide critical system data, they can increase:



Enclosure footprint



Commissioning time



Manufacturing time

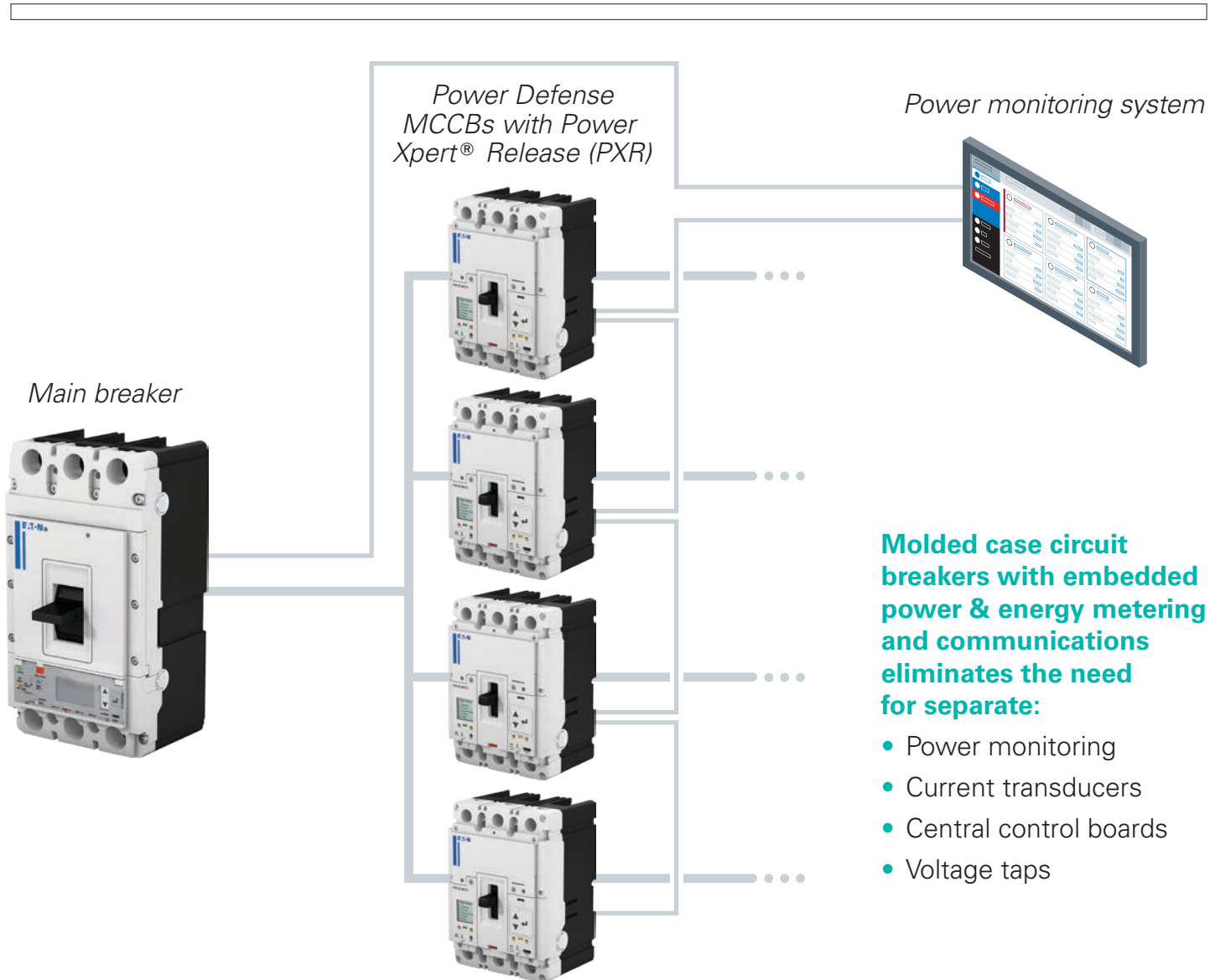


Installation cost

A better approach

Intelligent molded case circuit breakers with power and energy meters built into their electronic trip units can be integrated into PDUs, enabling fewer components, a smaller footprint and a simpler design. Embedded communications within the circuit breaker enables powerful data-driven insights to keep critical data center power systems connected and users informed.

Anatomy of a modern data center PDU



The results

A simplified, more compact PDU that reduces components, eases installation and provides expansive electrical system intelligence to enable:



Real-time metering and monitoring



Additional insights into circuit breaker health



Reduced equipment costs



Easier testing



Simplified wiring



Availability of advanced safety features

Learn more at
[Eaton.com/PowerDefense](https://www.eaton.com/PowerDefense)