

**Zoning Control**

Date reviewed: 05/07/2018

Description of Technology	Energy Saving Opportunity	
Improve building comfort by accurately controlling temperatures at room level using the existing heating and/or cooling equipment with additional sensors and damper controls within the existing zones. This allows for shutting off conditioned air to any room that has reached its temperature setpoint independently of other rooms to reduce overheating and overcooling of spaces.	Sector(s):	Residential
		<input checked="" type="checkbox"/> Commercial & Industrial
	Applicability Criteria:	Any building with central heat and limited thermostats.
	Efficiency Improvement:	Potential to reduce fuel by no longer overheating or overcooling rooms
	Energy (%) Savings Potential:	Highly variable (15% to 40%)
	Demand (%) Reduction Potential:	Highly variable

Strengths	Weakness
<ul style="list-style-type: none"> <li>Increased comfort with localized control for scheduling, occupancy, temperature settings and setbacks</li> <li>Centralized management and ability to monitor and adjust set points at the room level</li> <li>It can be used in many different sectors, such as offices, schools, retail, and hotel</li> </ul>	<ul style="list-style-type: none"> <li>Increased comfort in a building may require more energy to achieve than the previous control method.</li> <li>Batteries in each room's smart controllers</li> </ul>

Third Party Analysis/ Previous MTAC Reviews	Suppliers Known to MTAC	MTAC Status
	Emme	Acknowledged to have energy savings potential and referred to individual PA for their own EE program consideration

Market Development Issues	
Cost:	Estimate of \$3-\$5 per square foot
Market Risk and Barriers:	None
Time to Market:	Currently on market
Simple Pay-back: (Years)	Varies

