

Building automation (BAS), also known as **building management system (BMS)** or **building energy management system (BEMS)**, is the automatic centralized control of a building's [HVAC \(heating, ventilation and air conditioning\)](#), electrical, [lighting](#), shading, [access control](#), [security systems](#), and other interrelated systems. Some objectives of building automation are improved occupant comfort, efficient operation of building systems, reduction in energy consumption, reduced operating and maintaining costs and increased security.