





stone











mud









Wood



There are different Material, different uses

Buildings are made from materials that are:

Buildings are made from materials that are:

- Strong (to last)
- · Safe (to protect people)
- · Available (found nearby)
- · Comfortable (for the weather)



strong

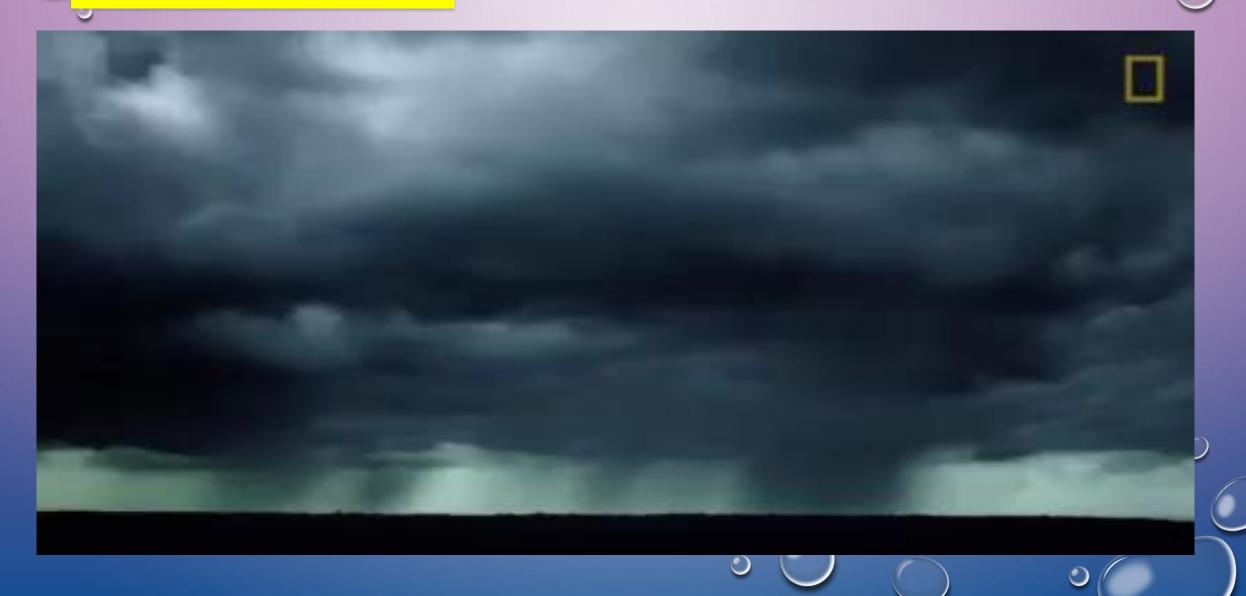
To last







Watch movie



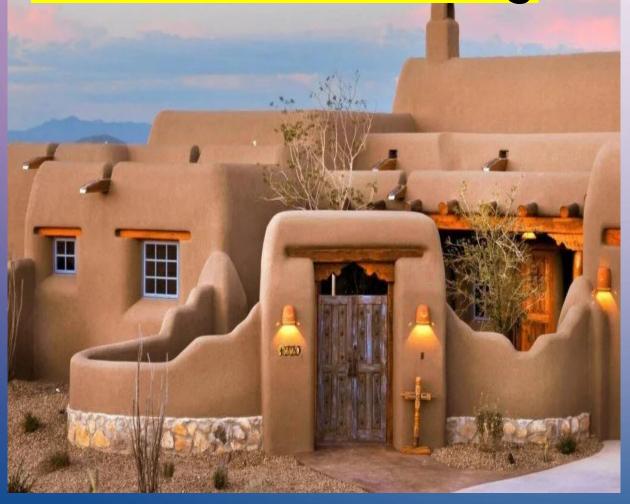
2. Climate Changes What We Build With

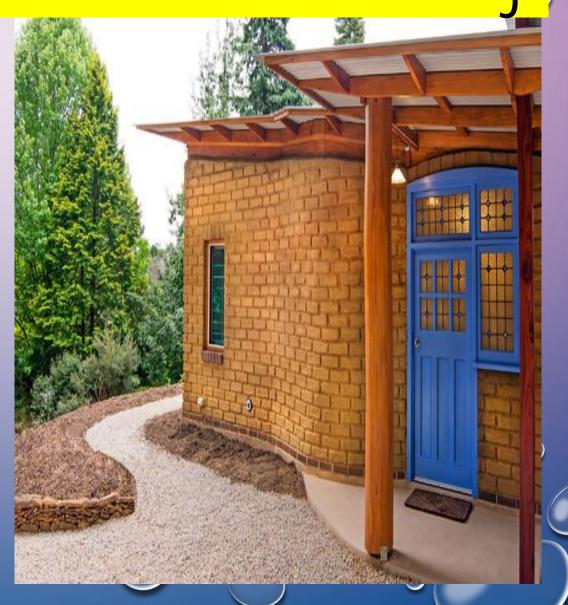
In Hot and Dry Places:



· It is better to use thick walls made of

mud brick or clay





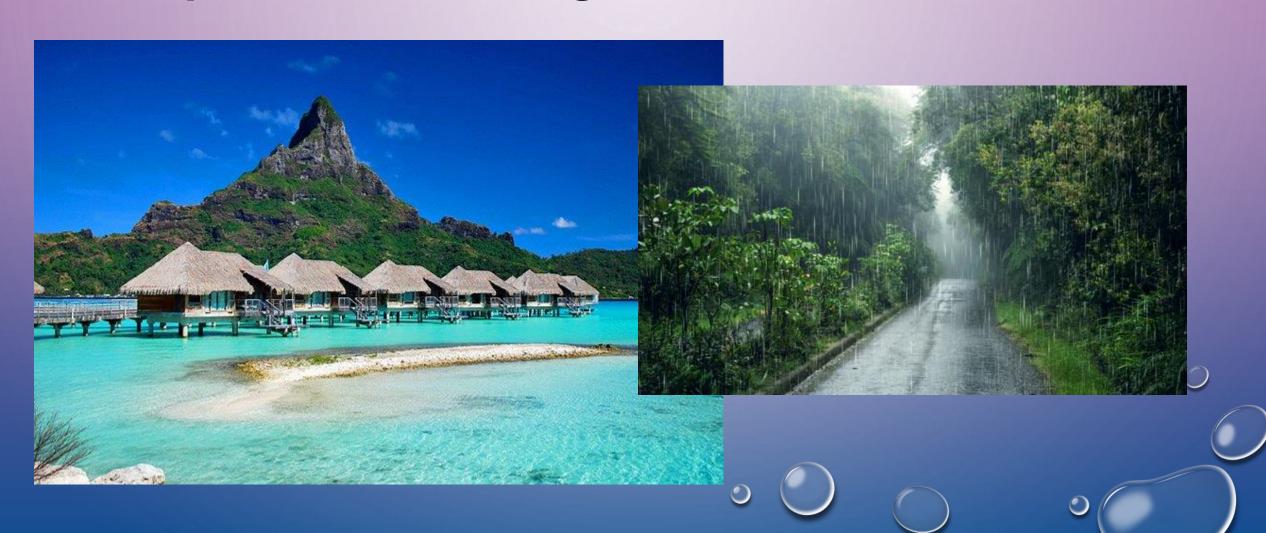


• It is better to use thick walls made of mud brick or clay

• These materials keep the inside cool.

• Example: Traditional houses in Yazd, Iran use mudbricks and wind towers

Tropical/Rainy Places





bamboo





Roofs are steep so rain slides off quickly



• Example: Thatched houses in Southeast Asia use palm or grass roofs



In Tropical/Rainy Places:

• It is recommended to use bamboo, palm leaves, or light wood

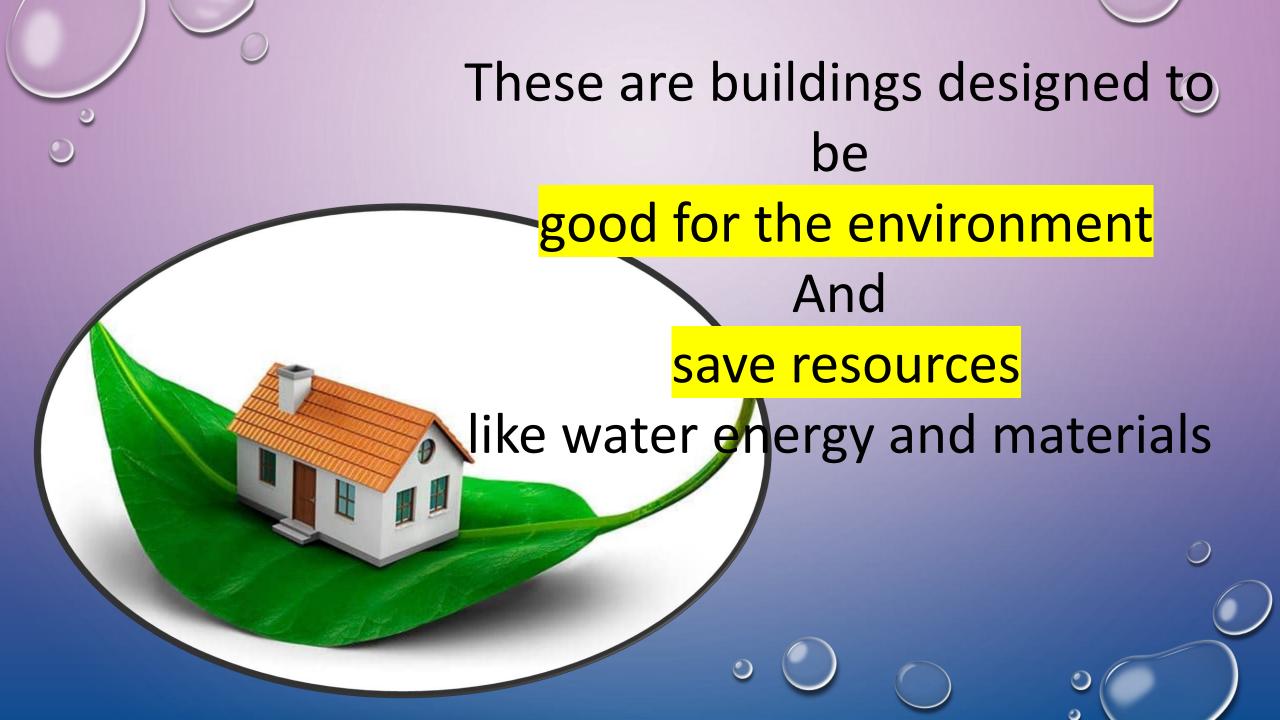
· Roofs are steep so rain slides off quickly

• Example: Thatched houses in Southeast Asia use palm or grass roofs

Sustainable Buildings

Green buildings





Sustainable Construction Methods



Reduce Waste



Recycle



Conserve Energy



Build Green Buildings

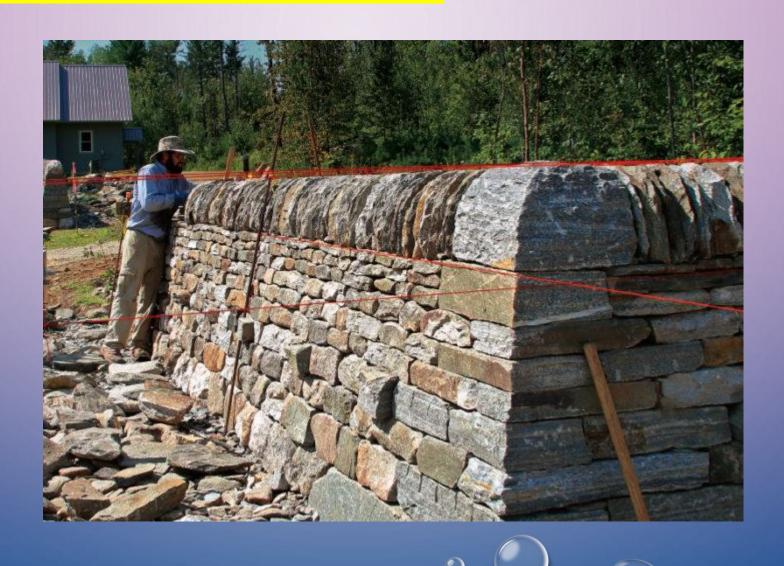


Use Sustainable Resources

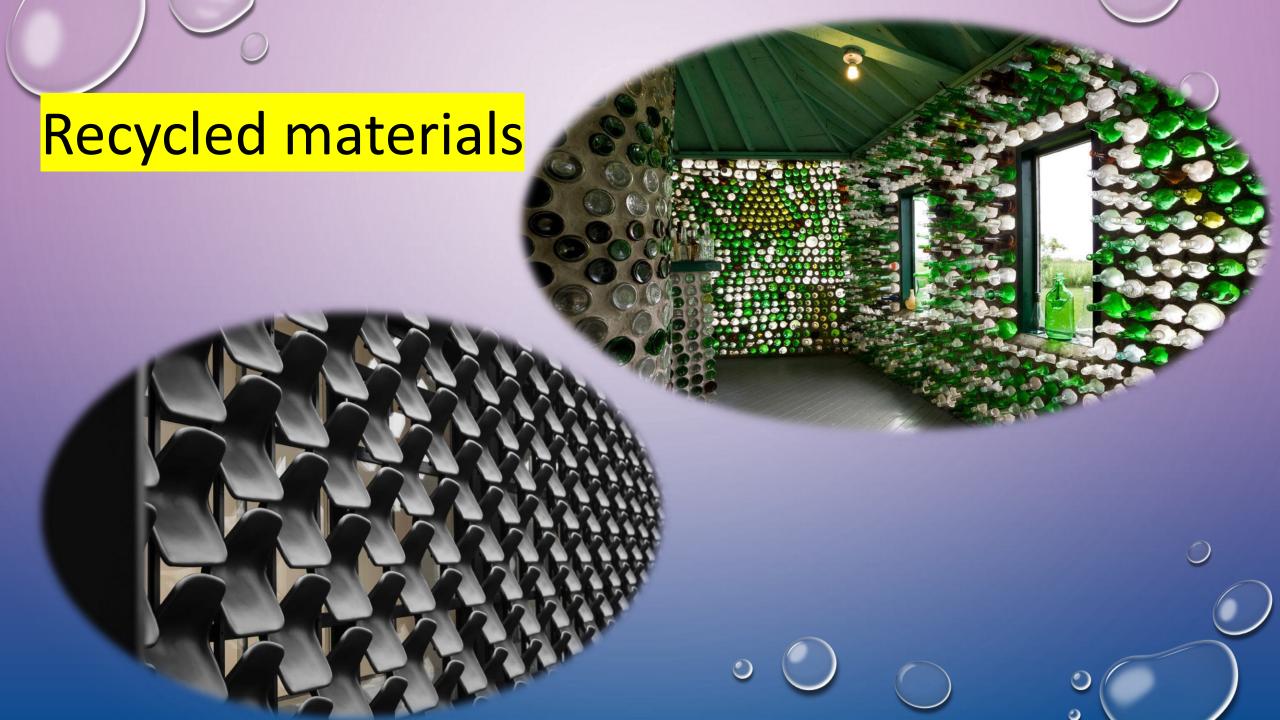
To use solar panels to get power from the sun

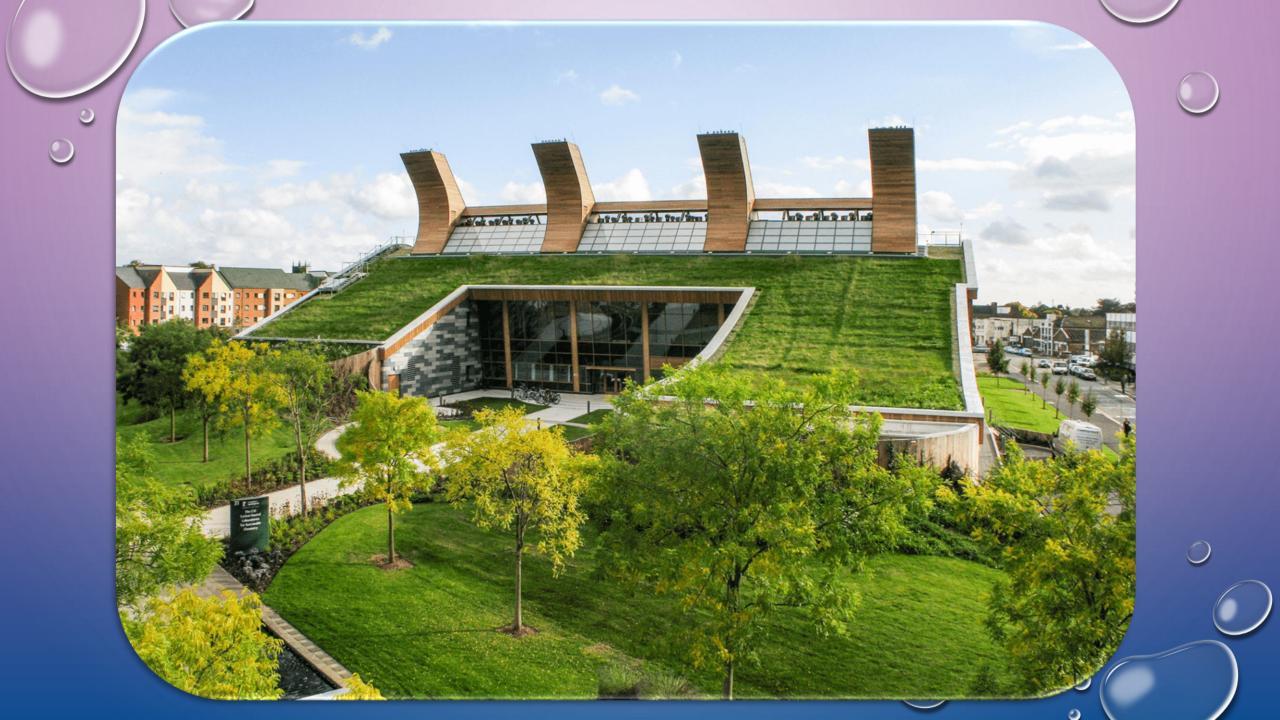


Natural materials in construction



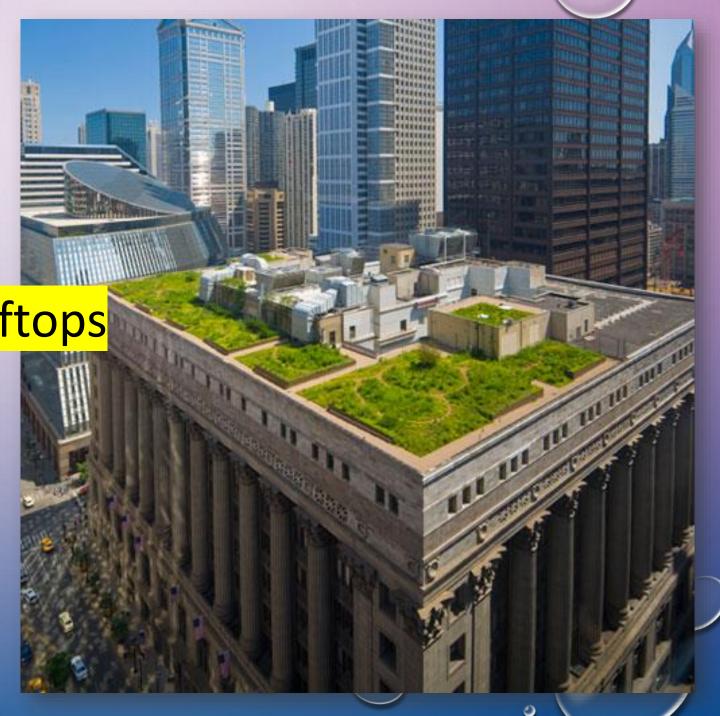






Green roof

Plants growing on rooftops





Rain collector to water plants

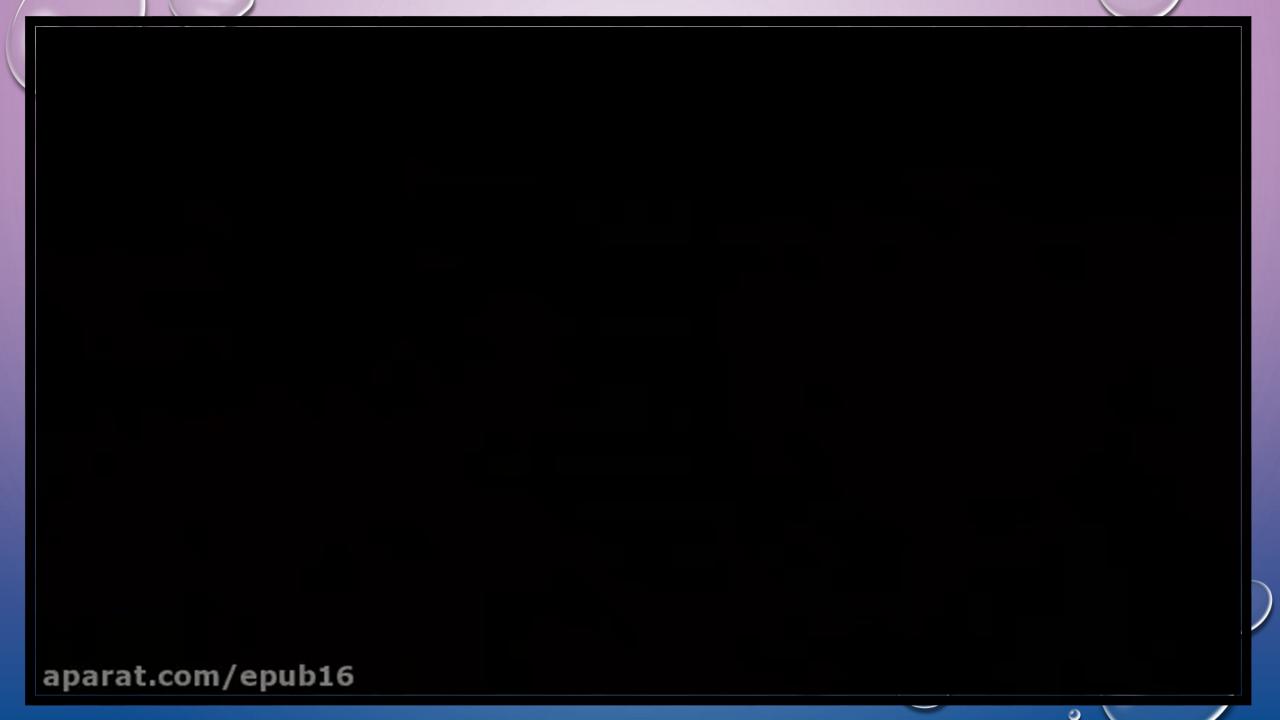


The Edge in Amsterdam

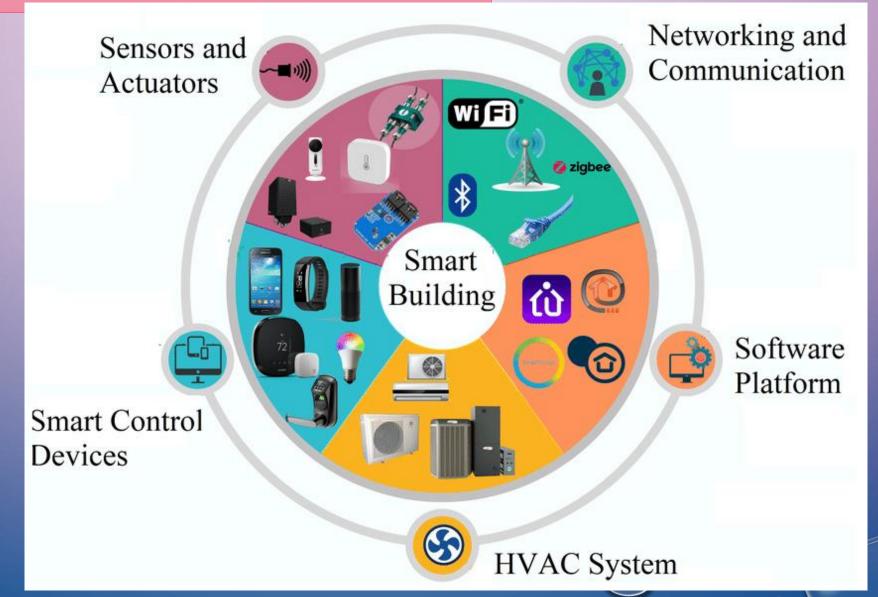


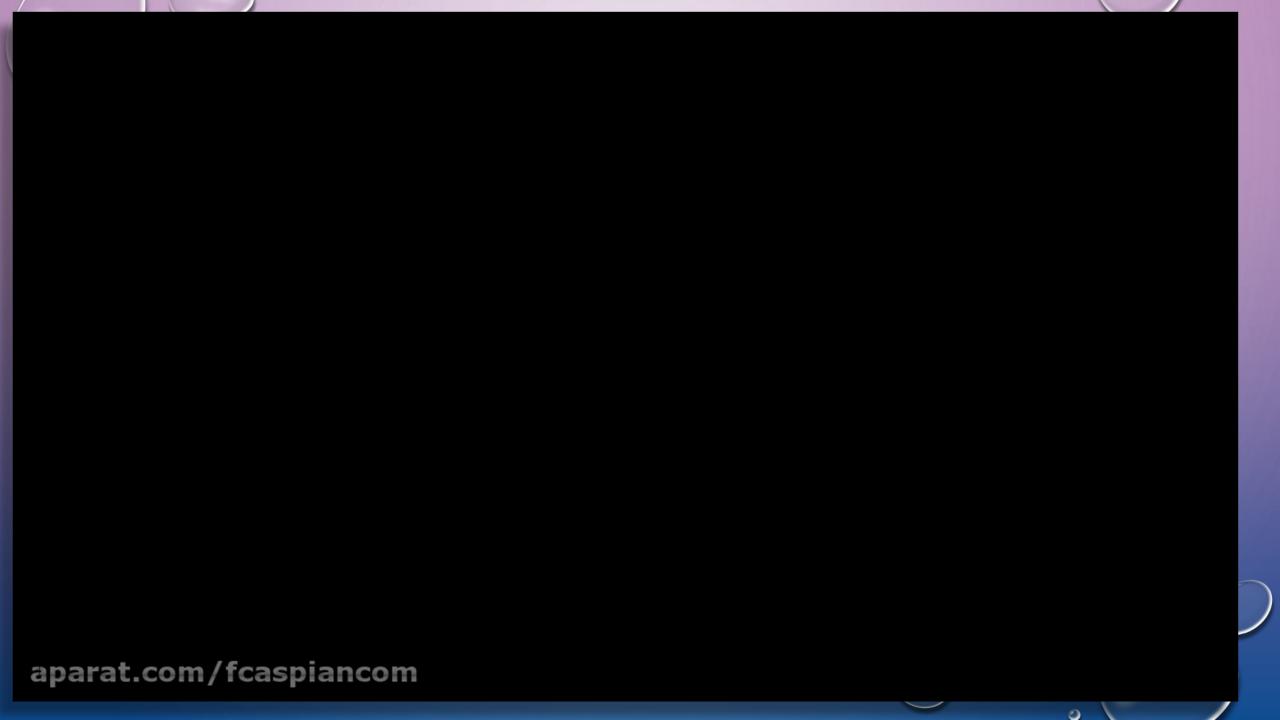




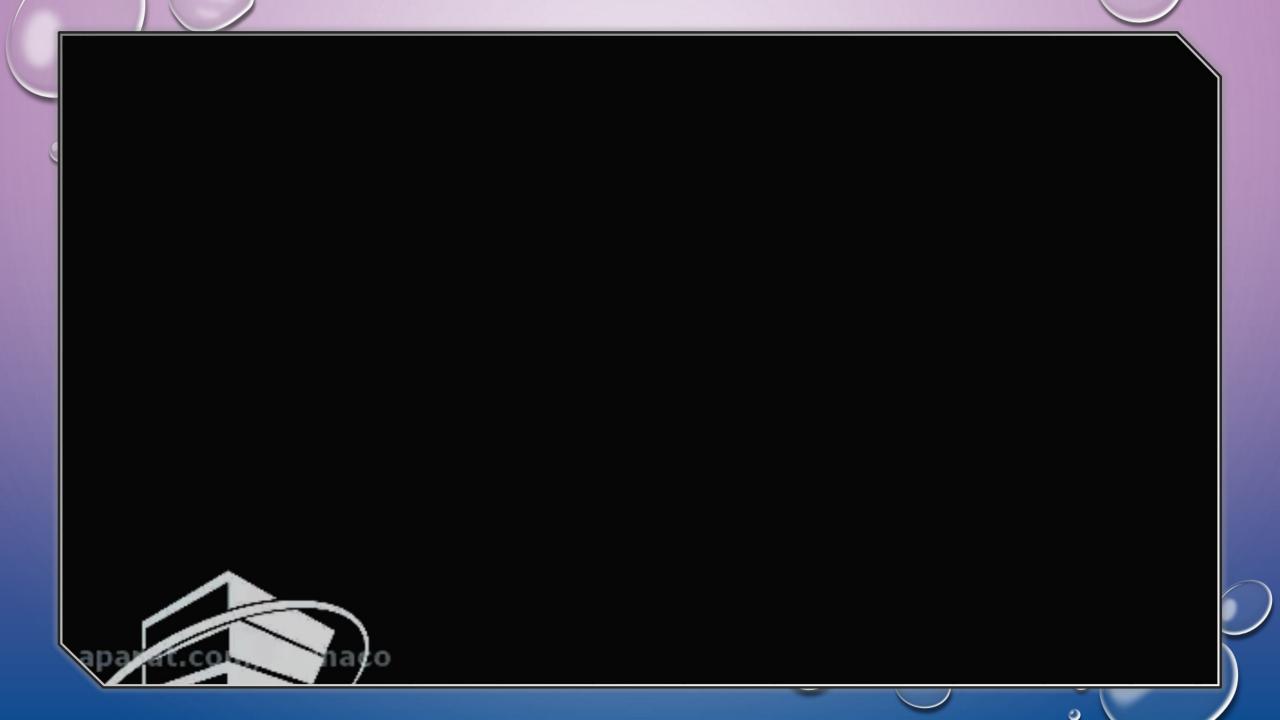


Smart buildings





These building use technology and Artificial Intelligence to make life easier, safer, and more energy efficient.



Automatic lights

: turn off when no one is in the room

Smart thermostats:

change the temperature based on weather

Sensor: air quality, lights level or motion

Security cameras and alarm:

That are connected to phones (

