

The Big Green Legacy

Sustainability Cities Case Study

The Sustainable City Dubai ([link](#))

Dubai is very hot for many months. It's often over 40 degrees! This makes it hard to keep buildings cool. But the sun can also help Dubai. It can make lots of energy.

The buildings have solar panels on top. These make power from the sun. The buildings are made to stay cool. They have special windows and light colors to keep the sun out.

There is a big green area in the middle. People can grow food here. They can also grow food near their homes. This helps them eat healthy food.

People can walk and ride bikes easily here. Most of the area has no cars. People use small electric cars to move around. Some people have electric cars that they can charge here.

This place tries to be good for people and the Earth.



([image source](#))

Masdar City - Abu Dhabi ([link](#))

Masdar City is a special place in Abu Dhabi. It is very good for the Earth. More than 4,000 people live here now.

The city makes some of its own power. It uses things that are good for the Earth to build houses. The houses in Masdar City use less water and power than normal houses. They use 40% less! Some houses even use less than that.

Even though it's in a hot place, Masdar City is nice for walking. The streets are small and have lots of shade. This makes the city feel cooler. It can be 5 to 10 degrees cooler than outside the city!

People in Masdar City can use special cars. These cars use electricity. Some can even drive by themselves! This is very exciting.

The houses in Masdar City are very smart. The windows keep the sun out. The walls keep the cool air inside. This helps save more power.



Sharjah Sustainable City ([link](#))

Sharjah has a new city that is very good for the Earth. This city uses the sun to make power. It has solar panels on the roofs of buildings. The city also cleans its water and trash to use again.

People in this city grow their own food. They have gardens where they can plant vegetables. There are even special ways to grow food up walls! This helps make sure everyone has enough to eat.

The city has many paths for walking and riding bikes. This helps people stay healthy. It also keeps the air clean because there are fewer cars. There is a special bus that drives itself to help people move around the city.

The city has places to charge electric cars. This helps people use cars that are good for the Earth.

The houses in this city are built in a smart way. They face away from the hot sun. This keeps them cool. The windows are special too. They keep the heat out and the cool air in.

This new city in Sharjah shows us how we can live in a way that is good for us and good for the Earth.



([source](#))