



# 1st Innovation and Leadership Solar roadways

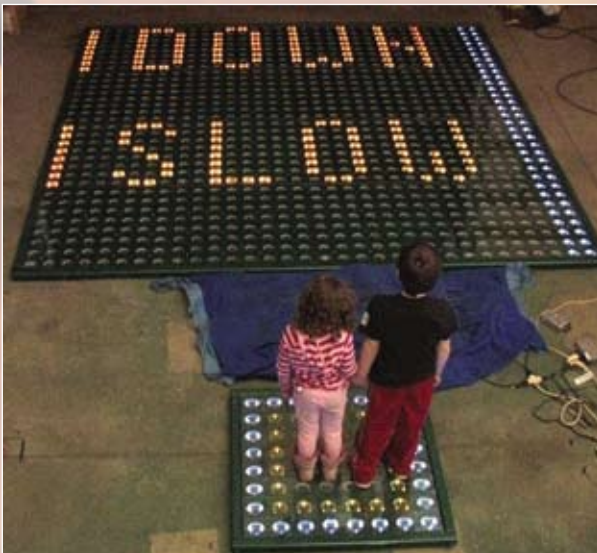
**Innovation starts with thinking differently.**

A great example of a company thinking differently is Solar Roadways. Hearing the concerns about global warming and knowing our dependency on fossil fuels they imagined another way of doing things.

They imagined roadways, pathways and parking lots being made up of a series of solar panels. In 2009, they won a contract from the Federal Highway Administration in the USA to build a prototype of a Solar Road panel.



**The goal of Solar Roadways is to create a network of solar panels for us to drive on and collect renewable energy from the sun to fuel our lifestyle.**



Solar Roadways has come up with a solution that solves more than one problem and when implemented will result in providing significant support to the environment.



**There are 3 layers to their Solar Roadway panels.**

**The first** is the driving surface that is translucent to allow sunlight to pass through, is high-strength to support traffic and is rough enough to provide traction.

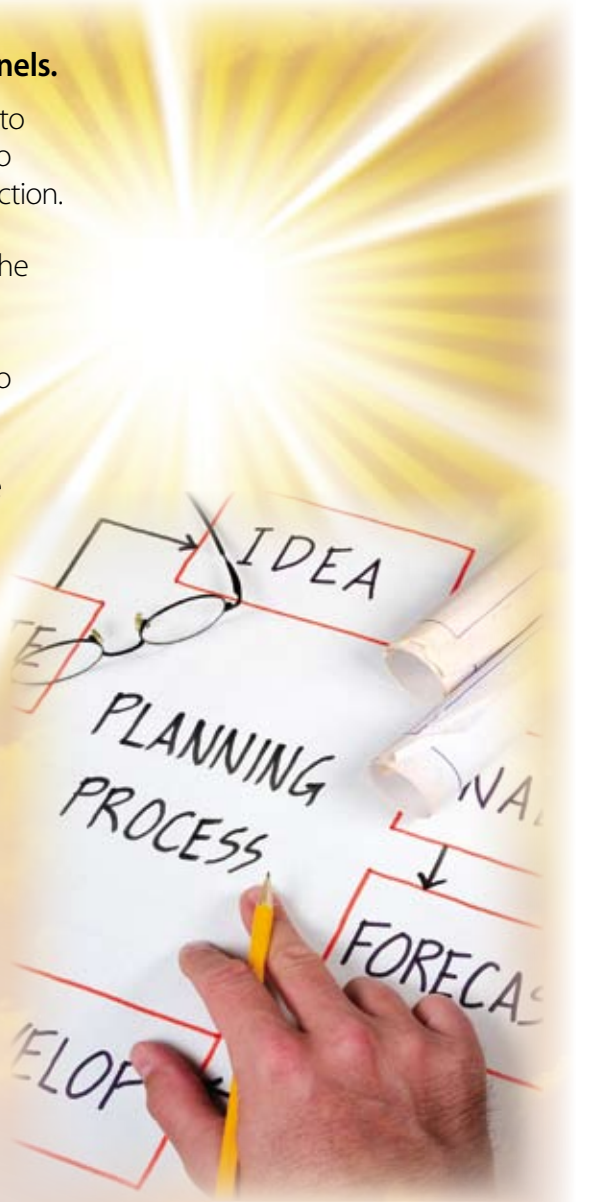
**The second** layer is the electronic layer where the sun's energy is collected. It also has LED lights to mark the lanes and communicate to drivers. This layer is also capable of heating the road surface to remove ice and snow.

**The base layer** is the protection layer and where the distribution of energy occurs.



**Solar Roadways are a great example of innovating to change the rules of the game.**

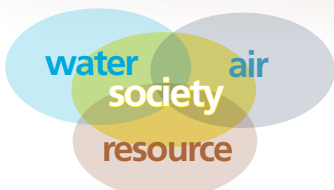
To find out more about Solar Roadways check out their website at <http://www.solarroadways.com>



## QUESTIONS/DISCUSSIONS

1. How could this innovation change our industry?
2. What opportunities does it present for us?
3. How could you innovate to change the rules of the game?

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You must be the change you wish to see in the world.

Mahatma Gandhi

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