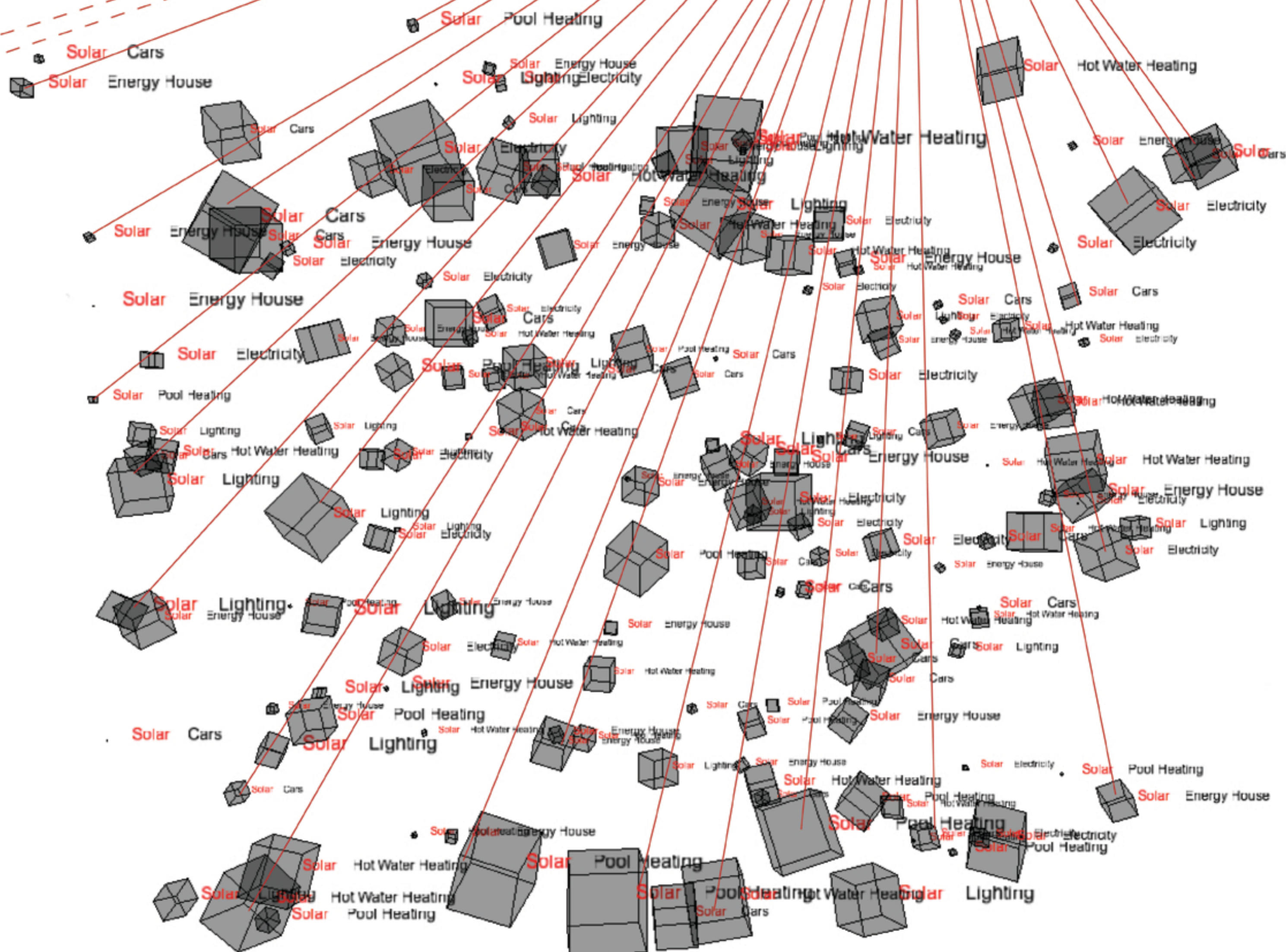
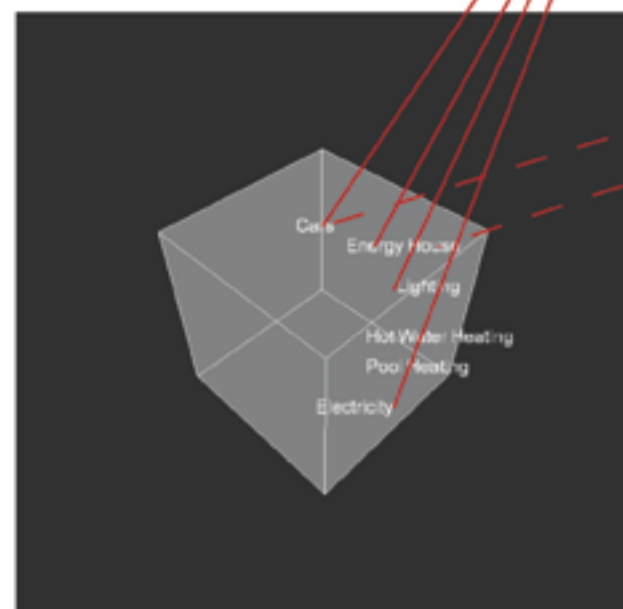


Sun

Earth in 2009

Earth in 2020



The Indicator of the Earth Health



Dead Weak Good Excellent

— Fully supported by Solar Energy

- - - Partially supported by Solar Energy

The animation version is available at <http://www.jiatao.ca/web/cart214.html>

In 2020, solar photovoltaics will be widely used in the world, especially for residential use. Solar photovoltaics are best known as a method for generating electric power by using solar cells to convert energy from the sun into electricity. Solar photovoltaics (PVs) are arrays of cells containing a material that converts solar radiation into direct current electricity. Materials presently used for photovoltaics include amorphous silicon, polycrystalline silicon, microcrystalline silicon, cadmium telluride, and copper indium selenide/sulfide. Solar photovoltaics has been doubling every 2 years, increasing by an average of 48 percent each year since 2002, making it the world's fastest-growing energy technology.