

Solar-Powered Roads

Solar-powered roads are an innovative engineering solution that integrates solar panels into road surfaces to generate clean energy. These roads use photovoltaic technology to capture sunlight and convert it into electricity, potentially powering streetlights, traffic signals, and even nearby buildings. The panels are durable enough to withstand traffic and weather conditions, and many designs include features such as LED lights for lane markings and heating elements to prevent ice buildup. Solar roads present a sustainable alternative for energy production while maximizing the utility of existing road infrastructure.

