Mass-produced thin film modules

Mechanical energy storage

Lightweight steel structure made from 1,915 high efficiency thin film solar photovoltaic modules.

Dampers attached with the steel structure convert wind motion into wind energy via the tensioned cables pre-tensioned with every steel pole. Side meshes are attached with the independently placed pole in the wind, across the green finger linear park from northwest to southeast.

Each module facing the sun transform the solar radiation into the electricity and also act as a shading device for the existing proposed buildings facade.

Subway is provided for public to the clear access across the road, and also provided to the technical access to the under ground energy storage system.

A 40 meter high lightweight facade steel structure made from a group of steel piers anchored with tensioned steel cables on the area of 3000x2000 meter.

Each renewable energy element of this scheme has been tested in the market and can be realised.

Kinetic energy storage cabin of the standard shipping container size arranged under the ground that store electricity from on-site energy production and complete system of 50 cars are away from the public and visitors.

The kinetic energy storage system makes the sustainable energy more sustainable.