



## Case Study



### **Huainan, Anhui Province, China - The world's largest floating solar power plant went online**

“China has announced that the largest floating photovoltaic (PV) facility on earth has finally been completed and connected to the local power grid. Long reviled for its carbon emission record, this is the Chinese government's latest achievement in its ongoing effort to lead the world in renewable energy adoption. Located in the city of Huainan in the Anhui province, the 40-megawatt facility was created by PV inverter manufacturer Sungrow Power Supply Co. Ironically, the floating grid itself was constructed over a flooded former coal-mining region. Floating solar farms are becoming increasingly popular around the world because their unique design addresses multiple efficiency and city planning issues. These floating apparatuses free up land in more populated areas and also reduce water evaporation. The cooler air at the surface also helps to minimize the risk of solar cell performance atrophy, which is often related to long-term exposure to warmer temperatures. This is just the first of many solar energy operations popping up around China. In 2016, the country unveiled a similar 20 MW floating facility in the same area. China is also home to the Longyangxia Dam Solar Park, a massive 10-square-mile, land-based facility touted as the largest solar power plant on earth. ... By 2020, China could reduce prices offered to PV developers by more than a third with solar power plants projected to rival coal facilities within a decade. The nation has also announced plans to increase its use of non-fissile fuel energy sources by 20 percent.”



Source: Adams, D. 2017. The world's largest floating solar power plant just went online in China. <https://www.digitaltrends.com.cdn.ampproject.org/c/s/www.digitaltrends.com/cool-tech/china-floating-solar-power-plant/amp/>

## References

Adams, D. 2017. The world's largest floating solar power plant just went online in China. <https://www.digitaltrends.com.cdn.ampproject.org/c/s/www.digitaltrends.com/cool-tech/china-floating-solar-power-plant/amp/>

## Credentials

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