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Evaluating the Effects of Fiscal Policies in the Development of Solar PV Technologies in the USA, Japan, Germany and China

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This paper explores Solar PV, giving a broad history of the technology's progression since its inception. The energy policies in the USA, Japan, Germany and China have all build on each other which contributed to the solar PV prices that we see today. The paper sheds light on the effect of fiscal policy on technology innovation and employment in the USA after the Federal government invested heavily in PV research and development since 1974. Moreover, in 1998, the Green Party became a coalition partner in the German government which affected demand of PV in the domestic and international markets as well. There are inherent risks associated with supply and demand PV projects in which the discussed economic factors play a significant role in. The paper also extends this financial discussion to a social cost-benefit analysis.

Biography

Khalifa AlDhaen has completed his BSc in Mechanical Engineering with a minor in Leadership Studies from the University of San Diego. He is currently pursuing an MSc in Project and Enterprise Management from University College London.