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The objective is to investigate the evolution of the mix and the future investments needed to achieve the sustainable energy and climate change goals. Three scenarios were developed using OSeMOSYS. The reference scenario, named Business As Usual, closely reflects the evolution of the Togolese electricity sector under a business-as ...

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The second phase of visioning focused on agreeing to a solar technology vision, setting the agreed short to long-term goals and specific tentative targets that are in-line with Togo's existing and planned energy infrastructure and national energy plan and country needs.

This requires scaling adaptable, resilient energy systems that leverage the power of artificial intelligence (AI), emerging technologies and innovative financing to meet both today's needs and tomorrow's uncertainties. It's a big challenge, but it's also the path towards building a truly sustainable and future-ready energy ecosystem.

Energy systems in many countries, including Togo, is illustrated by a balance between centralised and distributed energy system - which is mostly used nowadays to improve energy reliability and independence by providing a more stable electricity supply (Kursun et al. 2015; Liu et al. 2019; CEET 2020; SOFRECO 2010).

5 ???&#0183; Some of the country's flagship renewable energy projects include Blitta's PV plant, one of the largest in West Africa. It currently produces 50 MW, but this capacity is being expanded to 70 MW. There is also the Dapaong solar power plant, under construction in northern Togo. This plant should produce 25 MW and have a 40 MWh storage system.

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