



When built, Ma'aden's solar process heat plant will be the largest in the world | Photo source [GlassPoint](#)

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## SOLAR STEAM PRODUCTION CUTS ALUMINIUM EMISSIONS



AGRICULTURE & ENERGY

### A refinery in Saudi Arabia aims to replace fossil fuels with solar energy to power aluminium production

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#### Takeaway:

Today, most of the aluminium industry uses coal to generate steam. And aluminium is used in a range of common consumer products such as mobile phones, cars, and laptops. These everyday items therefore contain embedded emissions that are not immediately obvious to the customer. What is more, the International Aluminium Institute has warned that the global

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Industry must slash greenhouse gas emissions by 77 per cent by 2050 to meet  
ge goals. This is why innovative partnerships such as the one between Ma'aden and  
Glasspoint are so important, even if the technology currently comes at a premium to fossil fuels.