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# Optimization of a hydrogen-based zero-carbon building scenario.

ALI, D.

2021



DC Bus

AC Bus

PV System  
DC Power Supply



H2 Storage



H2 Generator



Fuel Cell Stack



DC/DC Boost  
converter



DC/AC  
Inverter



Utility Grid  
AC Power Supply



RGU Campus  
AC Load Demands

Integrated H2  
System