



THE 2ND HYDROGEN ENERGY MINISTERIAL MEETING

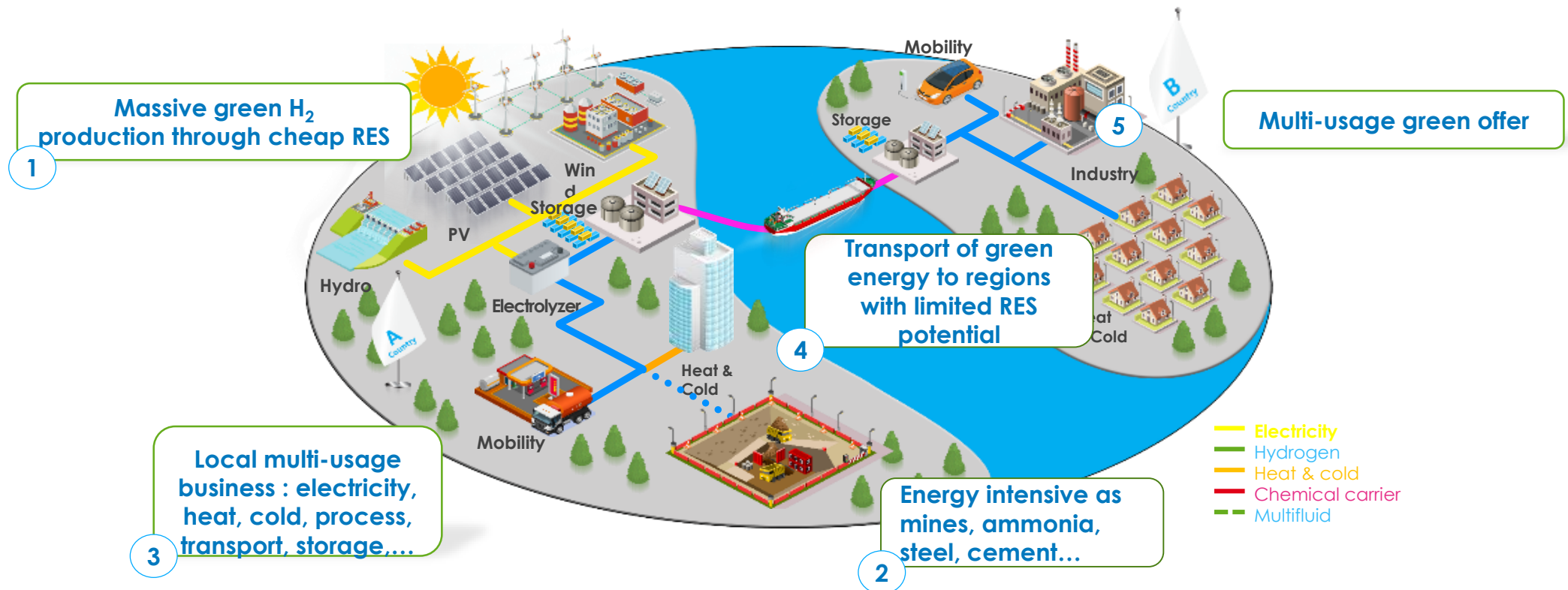
TOKYO – 25 SEPTEMBRE 2019

Renewable Hydrogen:
The Key Enabler for a Zero Carbon Transition

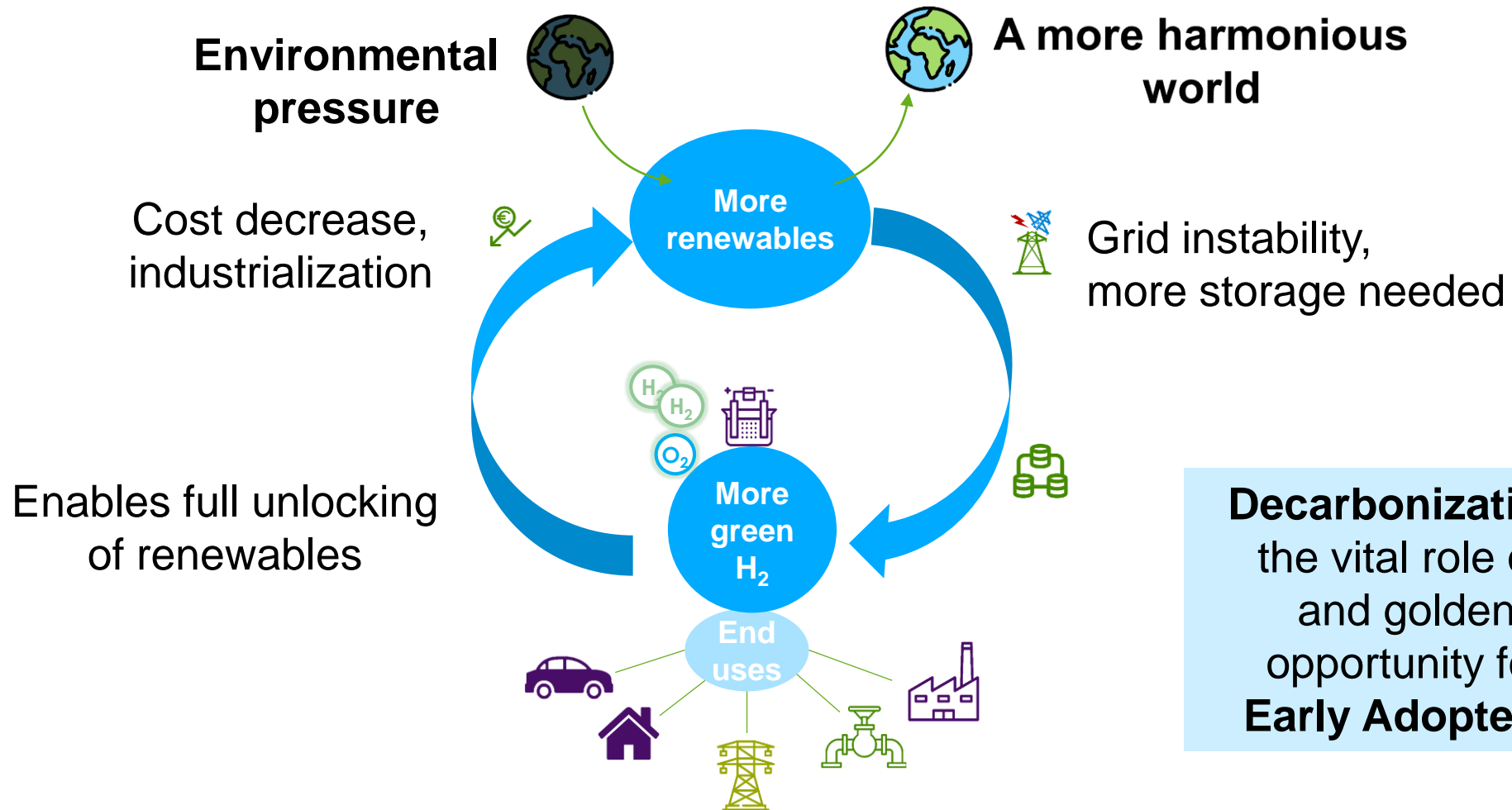
Mario Savastano
EVP, Global Head of Business Development
ENGIE Hydrogen Business Unit

ENGIE's Strategy: develop large scale integrated renewable hydrogen solutions from local to global markets

- To architect, invest into, build and operate large scale hydrogen solutions.
- To provide turnkey customer solutions across the value chain.



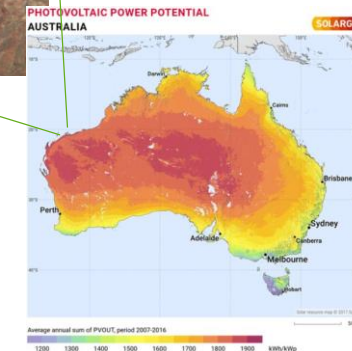
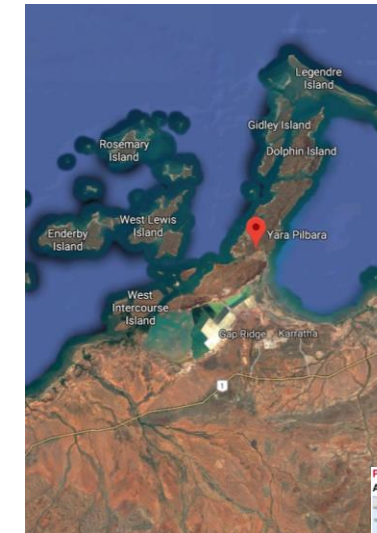
Early Adopters have started the *virtuous circle*: from scale to cost reduction to further scale etc ...



Yuri Project Overview

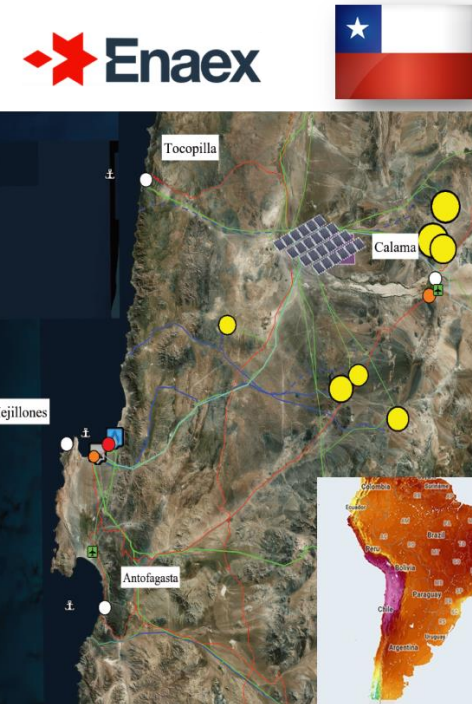


- Client: Yara in Australia.
- Purpose: Design, build, operate a **PV powered green hydrogen** plant.
- H2 usage: **Ammonia** for domestic and international markets – **green fertilizers, a.o.**
- First milestone: double digit MW, industrial scale.
- End game: GW league.



HyEx Project Overview

- Client: ENAEX in Chile.
- Purpose: Design, build, operate a **PV powered green hydrogen** plant.
- H2 usage: new **ammonia** plant – **green blasting services for the mining industry, a.o.**
- First milestone: double digit MW, industrial scale.
- End game: GW league.



TH2nk You!

