



# Closing the 100-Year Gap Electricity in Every Home

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# The Electricity Gap Impact

## Economic Impact

20%  
Income

Spent on wood  
and charcoal

## Opportunity Cost

25%  
Time

Collecting biomass  
for heat, light,  
cooking

## Educational Impact

188  
Million

Children attend school  
without electricity

## Health Impact

4  
Million

Premature deaths from  
indoor use of biomass





# The Electricity Grid

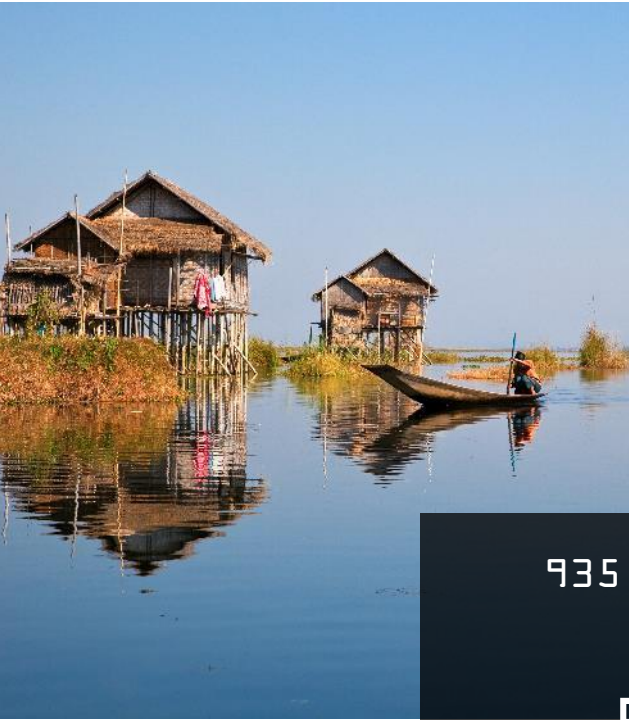
## The challenge:

Provide electricity to four-  
times  
as many people by 2030

Legacy infrastructure  
Large centralized  
generation

Incremental grid extensions  
High transmission  
losses





935 million people live in rural areas without electricity

## Electrification Works for Some

165 million people live in urban areas without electricity







# Technology Leaps

Global Adoption Rates

Fixed-line phones: 15%

Internet access: 54%

Mobile phones: 65%



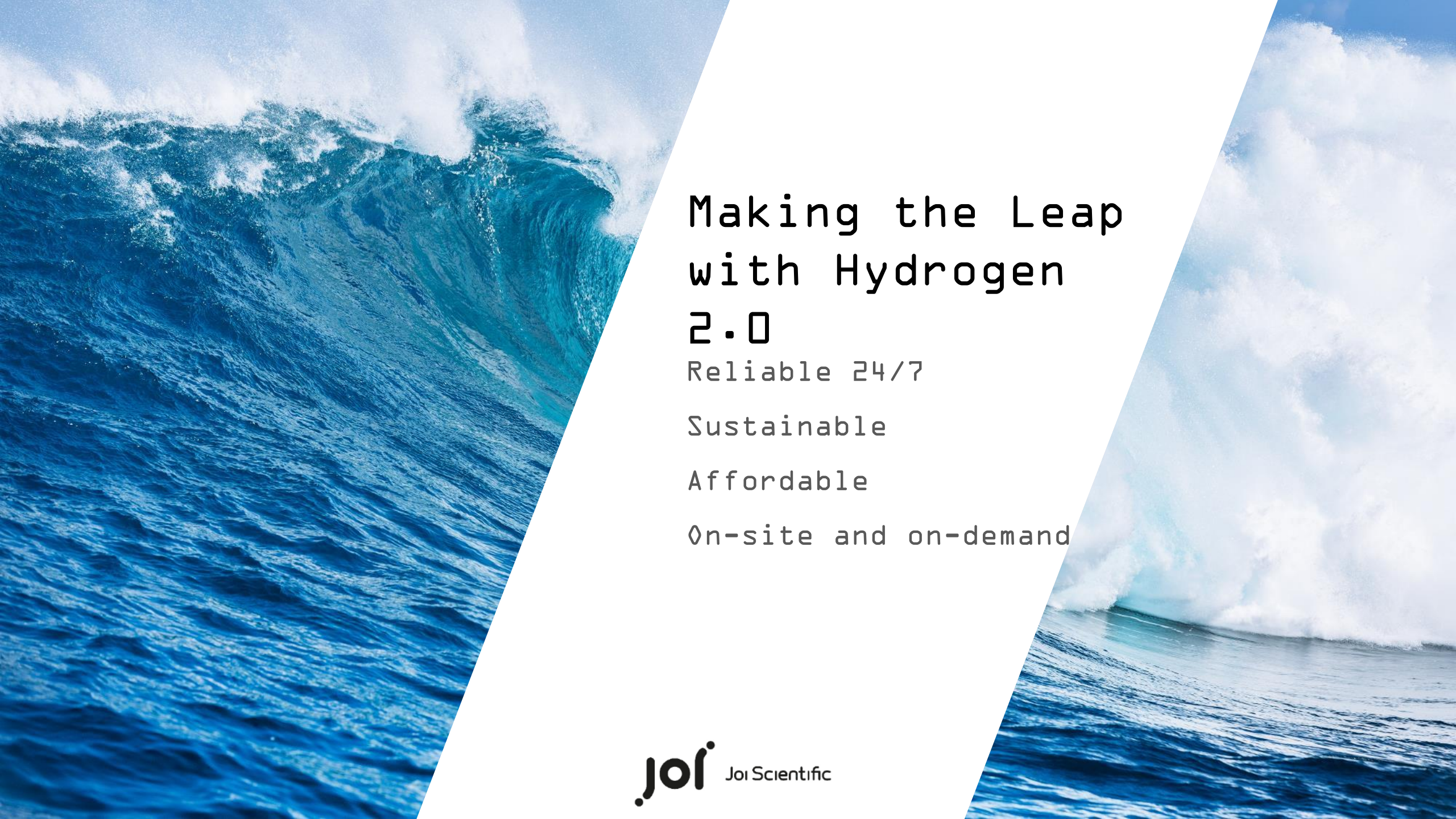
# The Next Technology Leap: Electricity for All

24/7 distributed renewable energy

Affordable for off-grid rural  
populations

Available for edge-of-grid urban  
populations





# Making the Leap with Hydrogen 2.0

Reliable 24/7

Sustainable

Affordable

On-site and on-demand



# World's First Integrated Hydrogen Power Plant

Turnkey solution to energy  
production

Can scale-up/down

Microgrid applications

Off-grid applications





# Hydrogen 2.0 Byproduct





# An Inclusive Hydrogen 2.0 Economy

Transformational energy access

Better quality of life

Better jobs

Better health

Better education





THANK YOU

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