



SUSTAINABILITY LEAP FROGGING

NET-ZERO ENERGY BUILDINGS

CHILUFYA LOMBE

SOLID GREEN CONSULTING



SOLID GREEN CONSULTING



14

GBCSA Greeb Star
Leadership Awards



13

Green Star
Accredited
Professionals



70

Green Star
Certifications

WHAT NEEDS TO CHANGE?

**THE FIRST RULE OF
SUSTAINABILITY IS
TO ALIGN WITH
NATURAL FORCES,
OR AT LEAST TRY
TO NOT DEFY THEM**

PAUL HAWKEN

GREEN BUILDING ATTRIBUTES



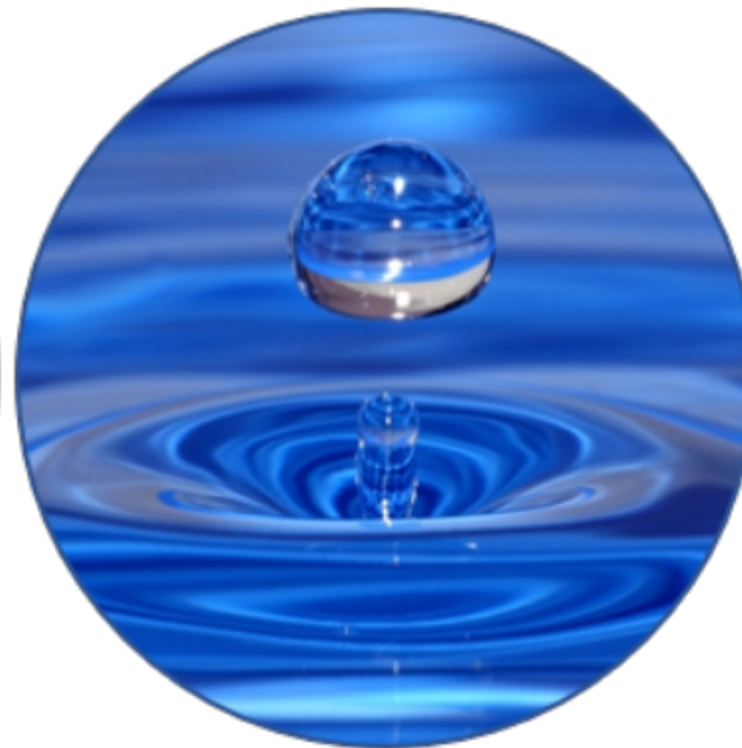
SITE



ENERGY



MATERIALS

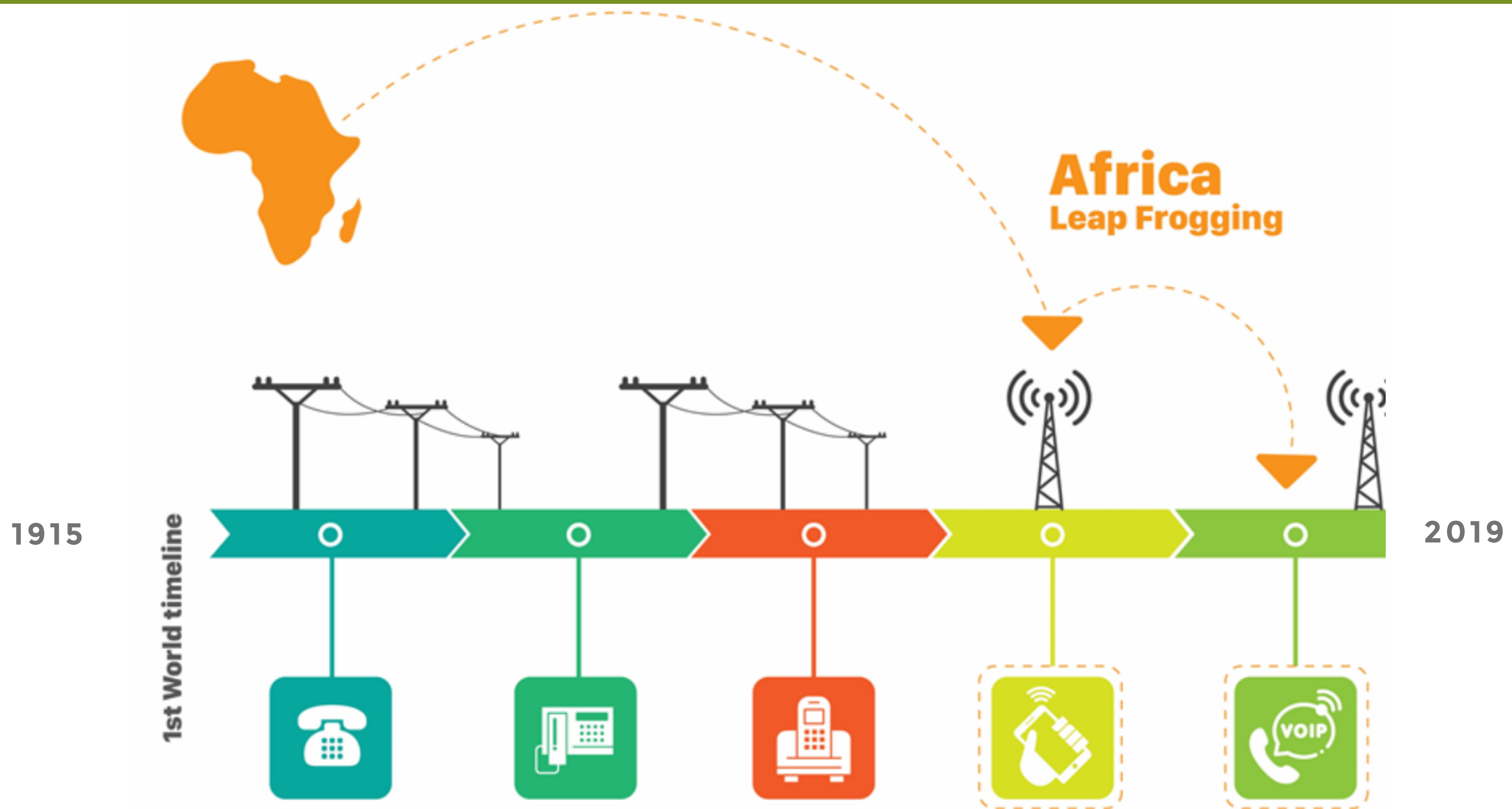


WATER

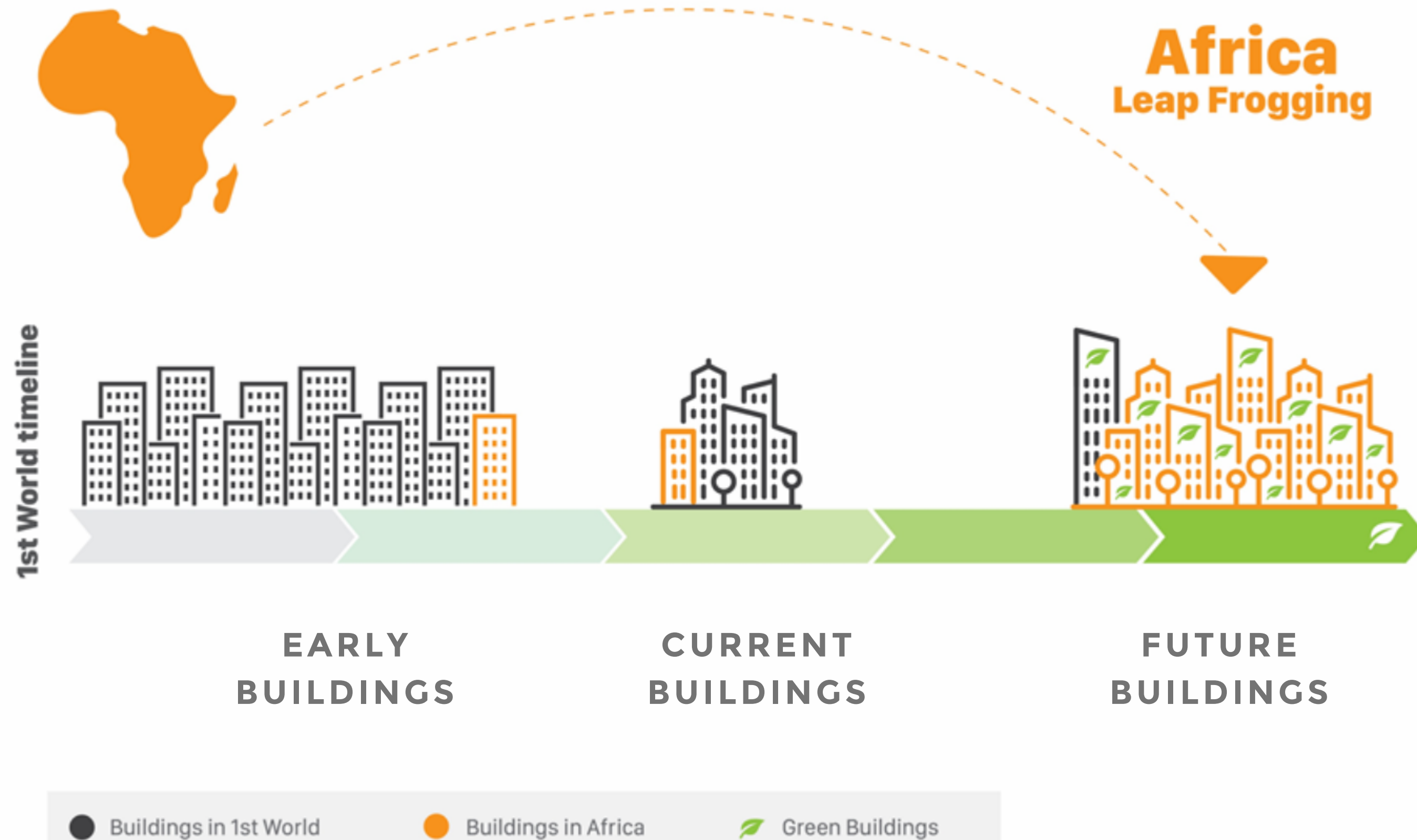


**HEALTHY
SPACES**

WHAT IS LEAP FROGGING?

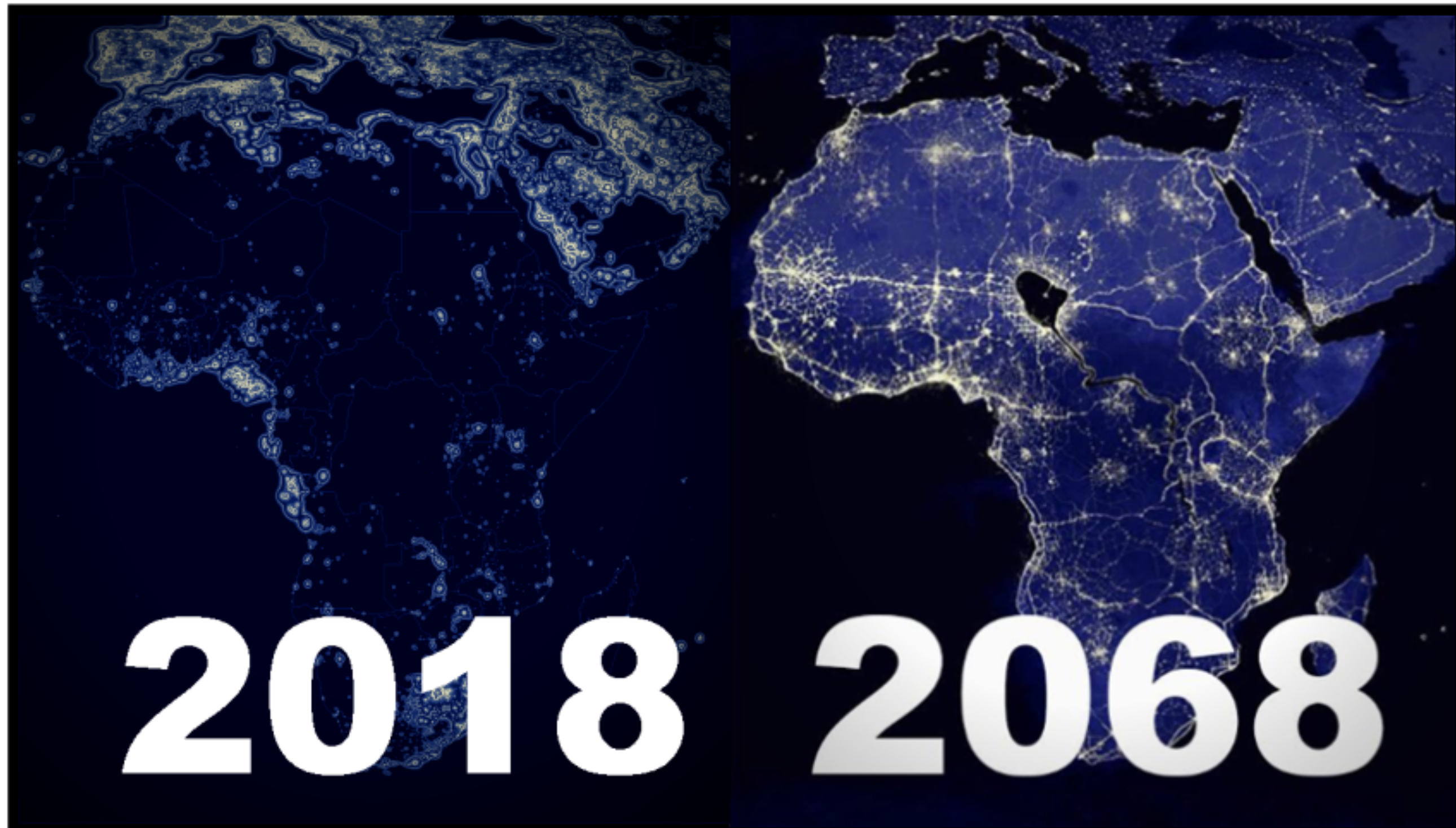


WHAT IS LEAP FROGGING?



WHY LEAP FROG?

AS GOES AFRICA, SO GOES HUMANITY

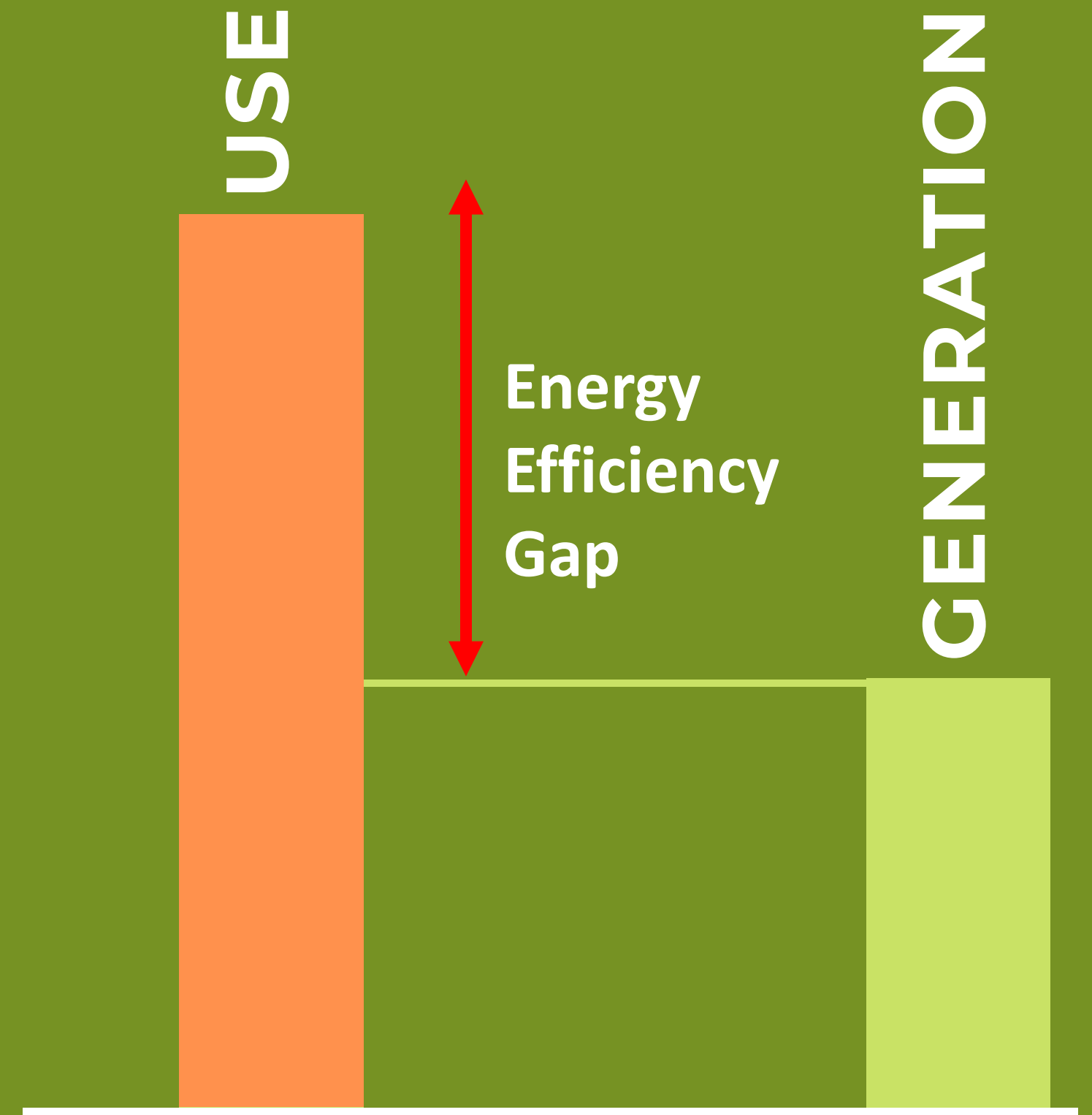


WHAT IS NET-ZERO?

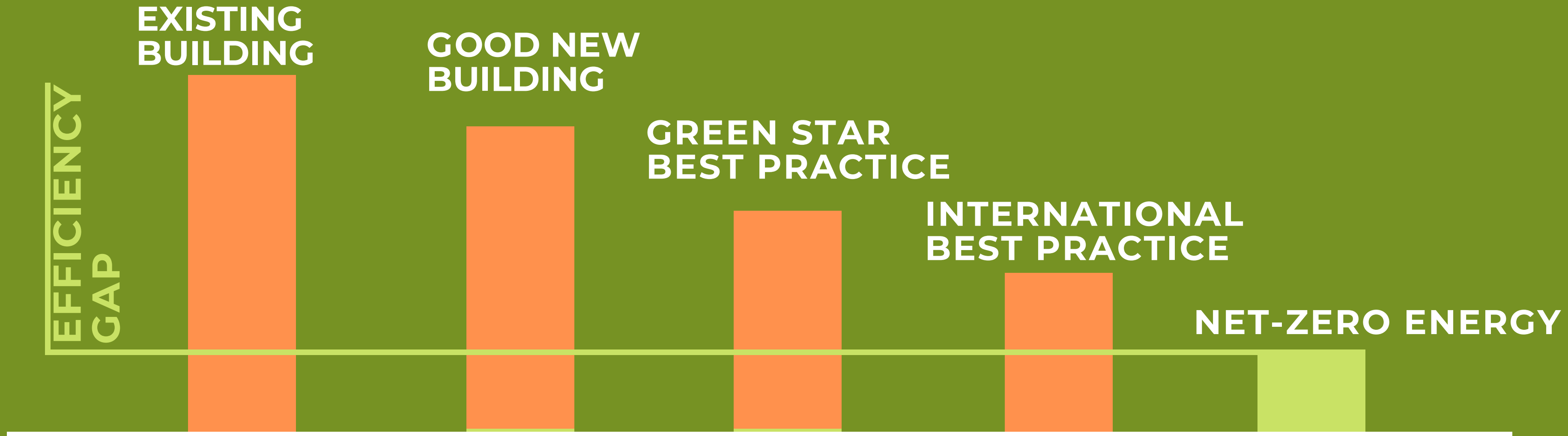
BUILDING ENERGY USE
=
BUILDING ENERGY GENERATION



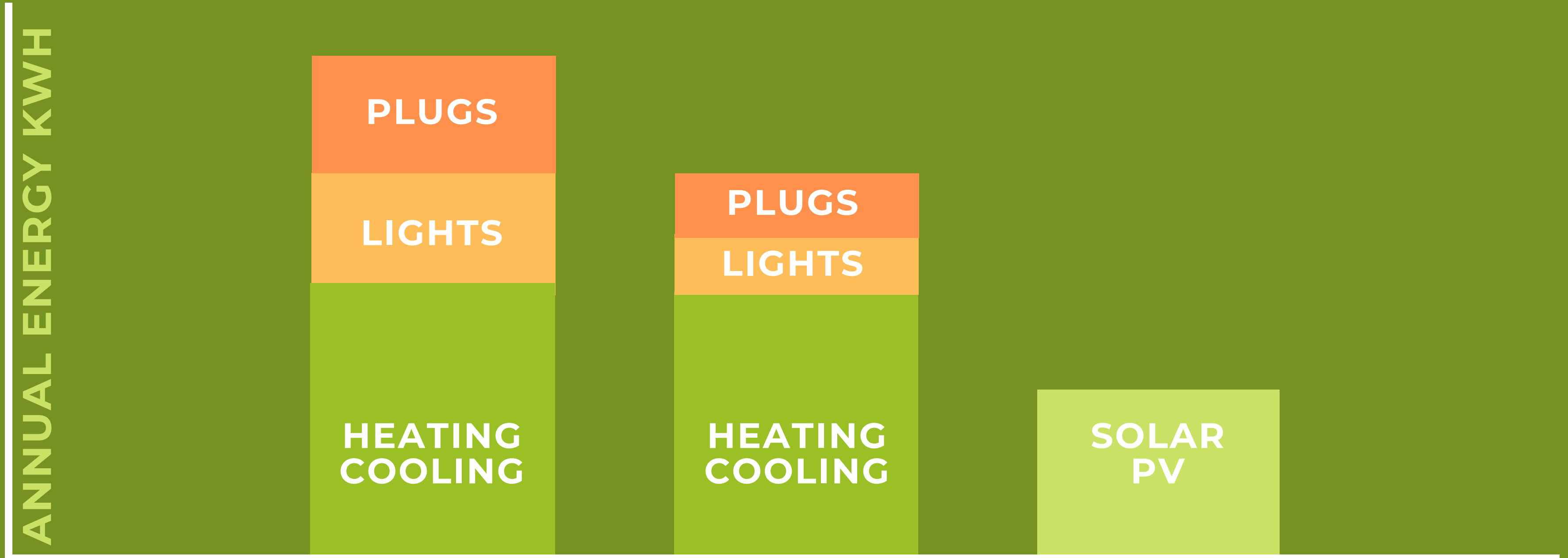
ENERGY EFFICIENCY



BUILDING TARGETS



WHAT SHOULD WE TARGET





THE BUSINESS CASE

Comfort
Without
Air-Conditioning



78 Corlette Drive

- **6 Star Green Star**
- **Net-Zero Carbon**



76 Corlette Drive

- **6 Star Green Star (100 points)**
- **Net-Zero Positive**
- **Living Building Challenge**

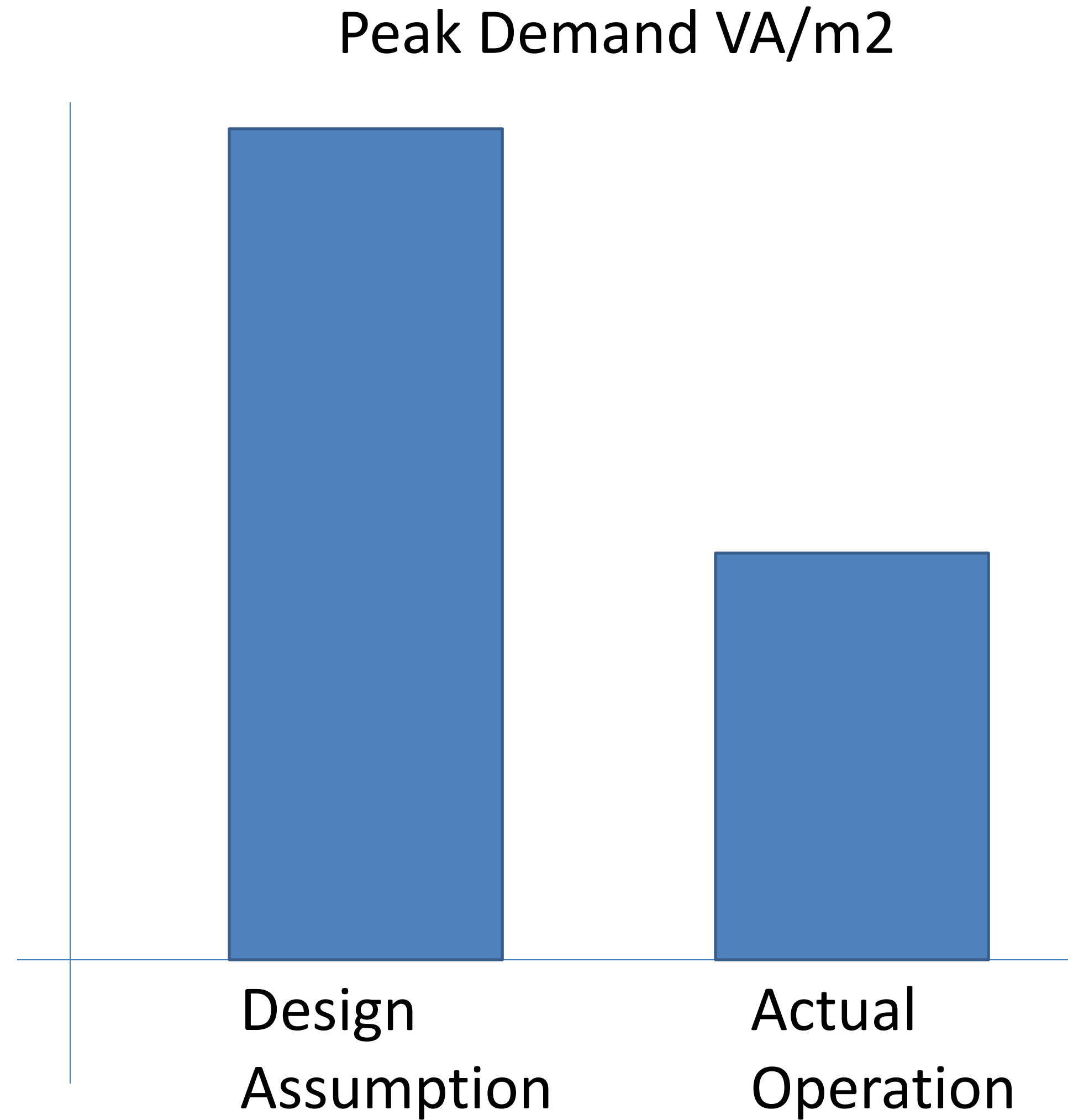


CAN BUILDINGS
HAVE

50%

LESS DEMAND
REQUIREMENT

CATALYST FOR MASS ADOPTION IS DATA



The Chilean Solar Market

Installed Capacity (GW)

2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

End of 2013

End of 2016

End of 2018

Data: La Comisión
Nacional de Energía, Chile

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