



HYSILABS
HYDROGEN CARRIER

Hydrogen is a key element in the
energy transition ...

By 2030, hydrogen could fuel ...



~1.0-1.5 m
autonomous taxis



~300-700k
autonomous shuttles



~3.0-4.0 m
delivery trucks and
vans



~4-8k
vertical take-off and
landing taxis (VTOL)

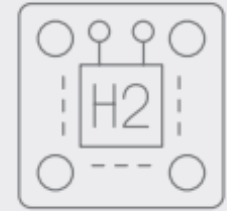


~1 TWh
of backup power in
data centers

... amounting up to ...



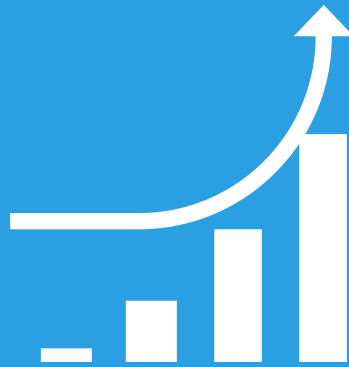
~5-7 m tons
of annual hydrogen
demand



~5.5-6.5 m
fuel cells in use



H2



250

billion € in 2030

.... but technical constraints
remain for its uptake:





Liquid

Liquid at Standard conditions



8,7%

H₂ storage capacity

7x

7x More

7 times more H₂ capacity compared to
conventionnel compressed gaz

Storage capacity (KgH₂/m³)

0 20 40 60 80 100 120

HydroSil

105,42

Liquified H2

70,97

Electriq Global

67,88

Hynertech

58,86

Hydrogenious

56,59

Chiyoda

47,06

NgrStorEdge

38,04

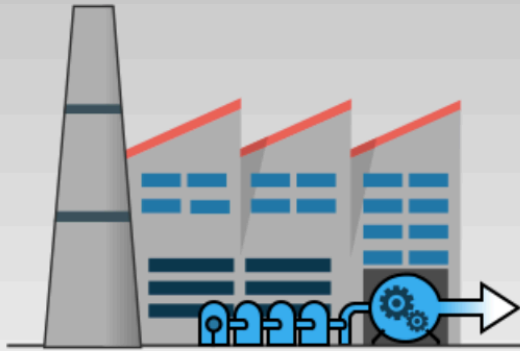
H2 gas (200 bar)

14,71



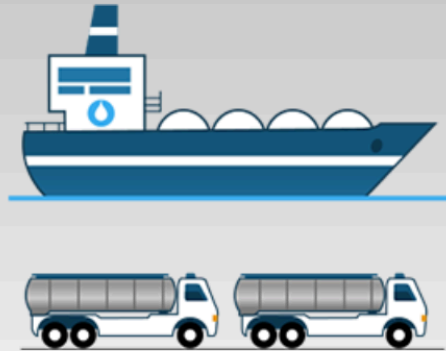
Value Chain

A



Industrial Processes to charge HydroSil with hydrogen and energy are plugged into hydrogen production sites.

B



HydroSil is stable and non-toxic and uses the same logistic as conventional liquid fuels.

C



Hydrogen is released on demand and without energy input from HydroSil to industrial or for the H₂ mobility sector.



MSc, Ing



MSc, MBA



PhD



PhD



PhD



PhD

Advisory board



Jean-Paul Reich
former CSO at ENGIE



Philippe Torrion
former Director EDF



Patrick Achard
Director of Research at
PERSEE Mines Paristech



GM. Papierok
Vibrac



François Fesquet
President of an
economic interest group



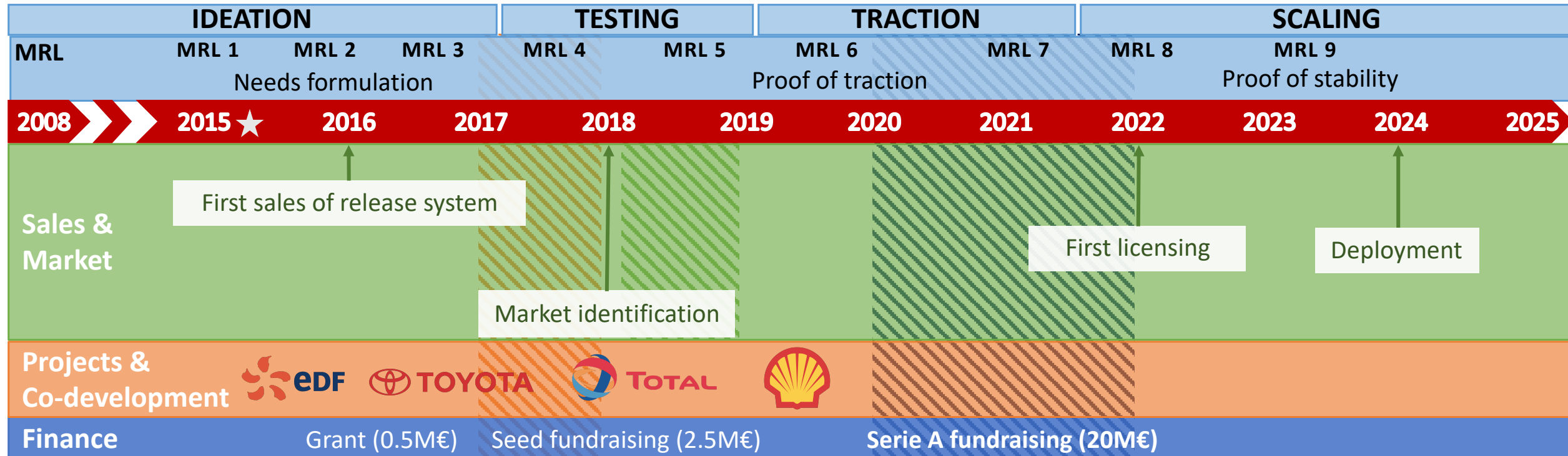
Bertrand Chauvet
CEO Seiya Consulting



Pierre Casanova
CEO DDH Partners



Timeline



On-Going Projects



AIRBUS



FUTURE Project (H2020)



HYNOVAR Project



RENAULT



Industry' Nov

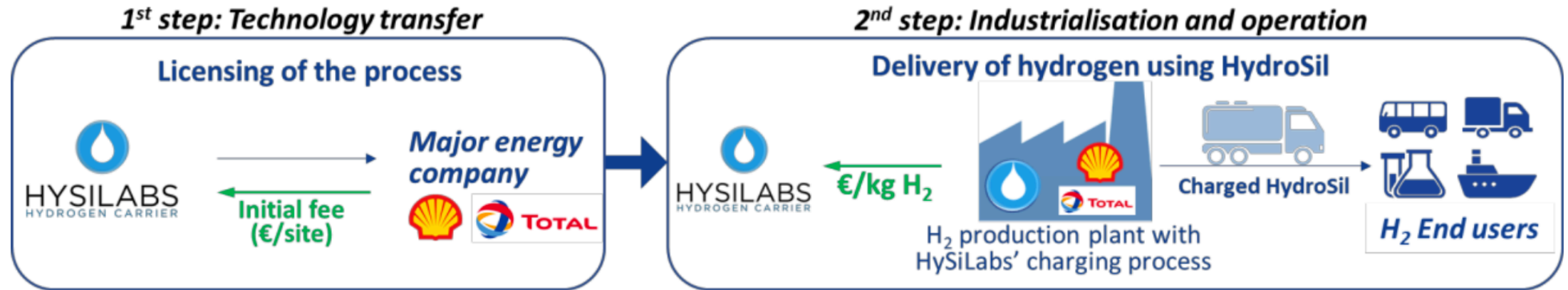
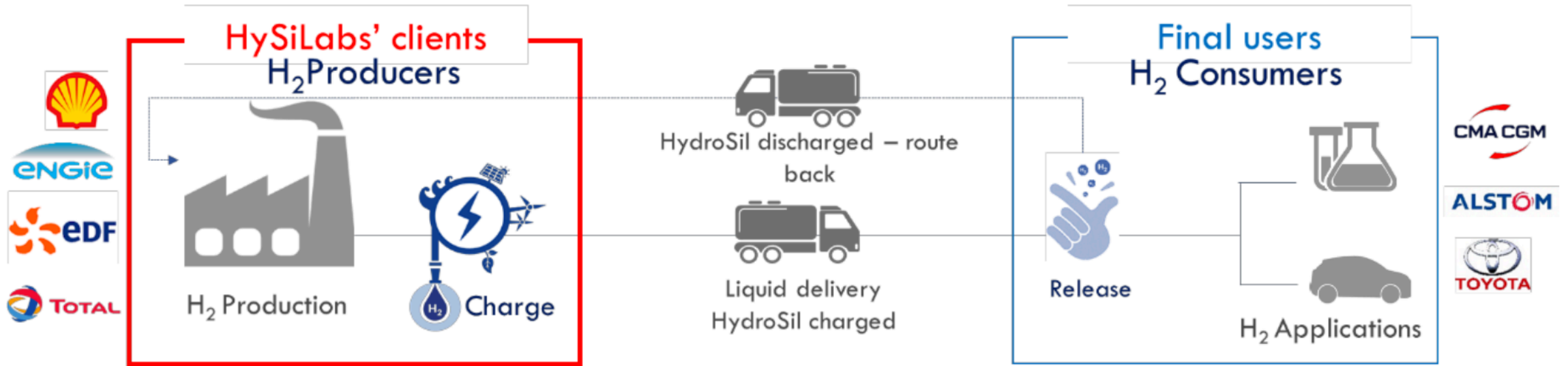


HYDEAL

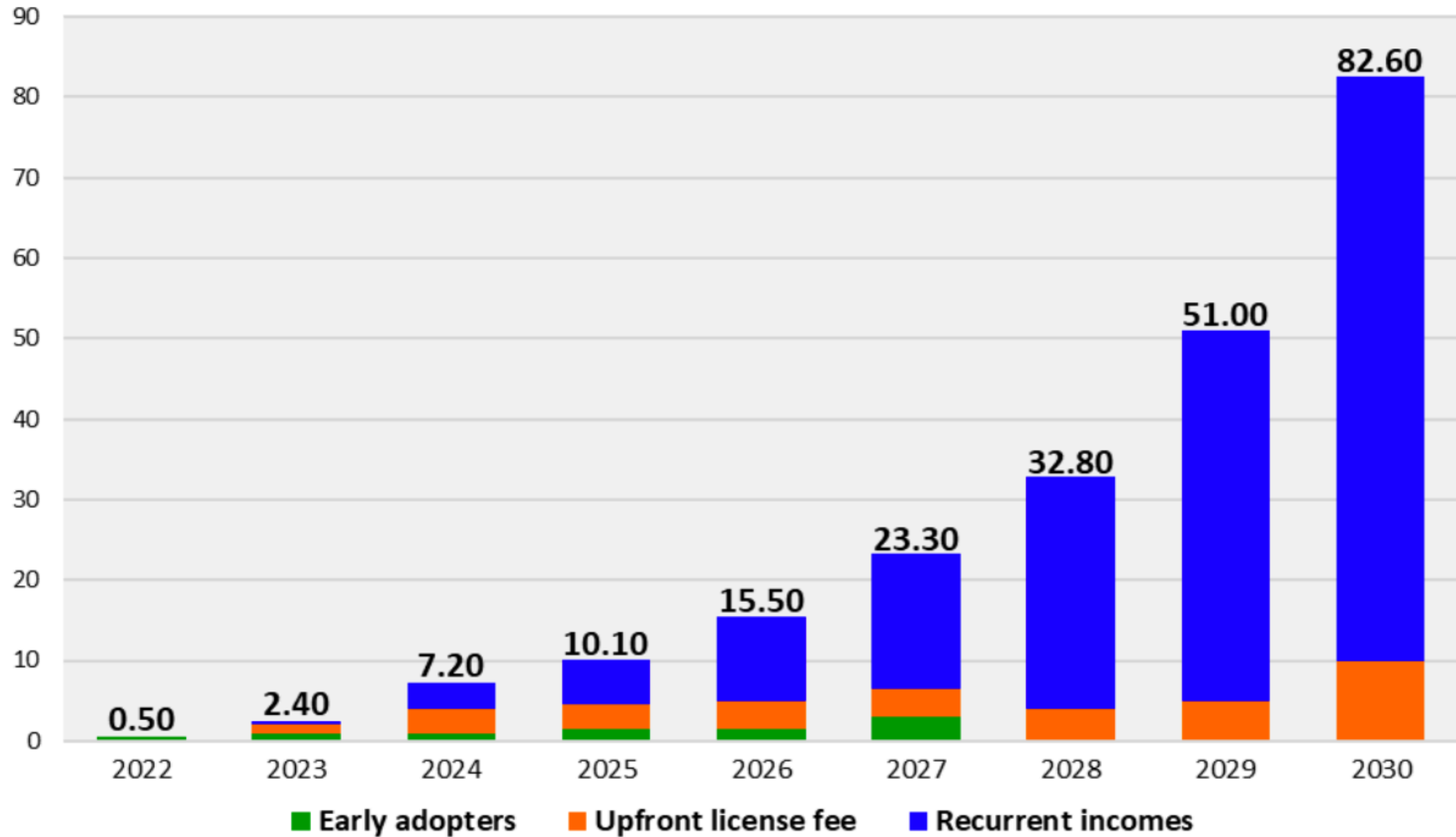


Sun to X project (H2020)





Revenue



Awards



We make hydrogen easy to deliver

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



7 AFFORDABLE AND
CLEAN ENERGY



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



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