



# HELIOVIS

Innovative inflatable solar collectors

**Picture of the first industrial application in Spain**



# What you know for Solar Concentrated Power (CSP): The Parabolic Trough

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Parabolic Trough: expensive due to complex production, installation, and maintenance





# The solution for competitive CSP: The “HELIOtube”



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# Transportation in one (1) standard container

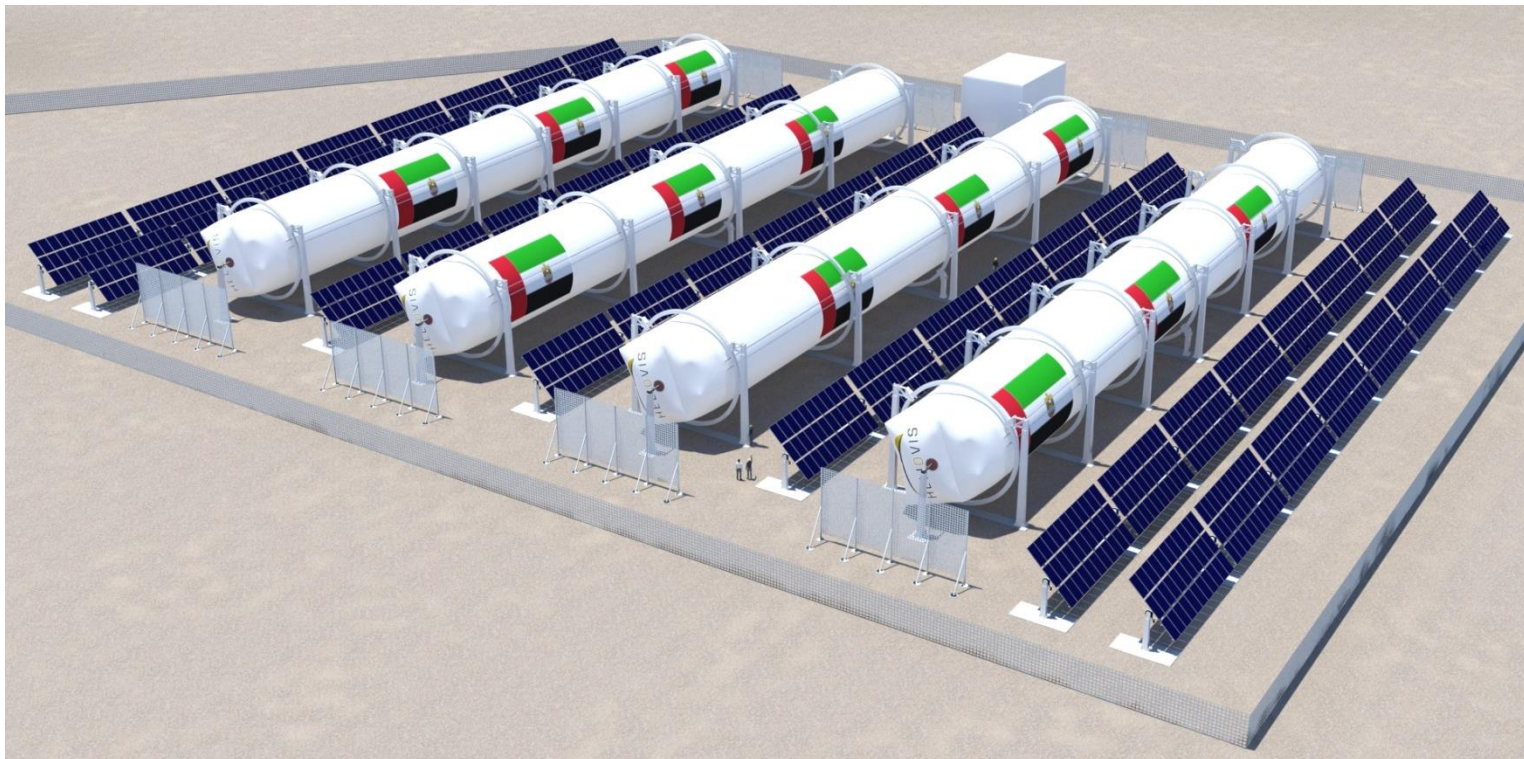


Inflated with air + cleaned with compressed air (no water)





# Smart integration with PV → solar hybrid plant<sup>1</sup> in Abu Dhabi



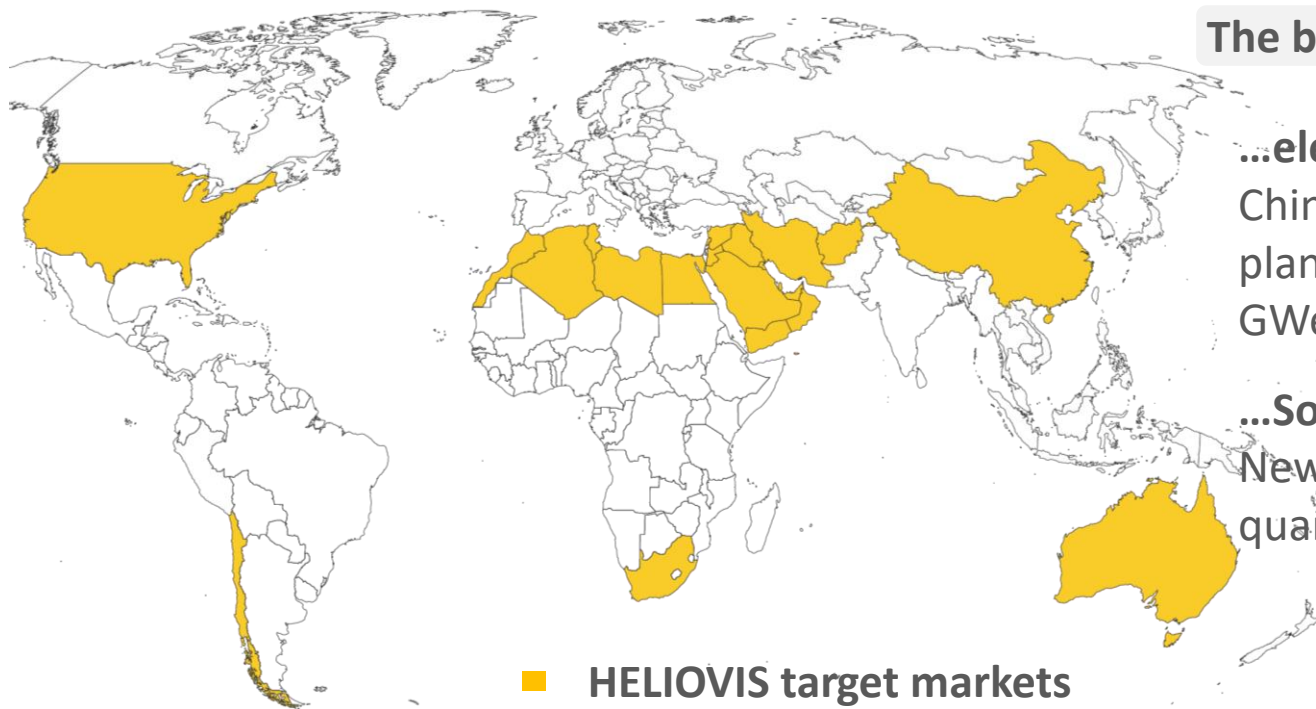
<sup>1</sup> When in stall position, the white base film of the collector can be used as huge advertising board (example).





## Credentials

- **Plant up-and-running in Spain**
  - Integrated hybrid solution (PV + CSP)
    - EU Horizon 2020 grant (2,000 applicants, < 2 % success rate)
  - Awards (EXPO 2017, Energy Globe etc)
  - Media attention (CNBC, Reuters et al)
  - Project pipeline (China, UAE, Saudi Arabia)
- **Contract for „desert proof“ in Abu Dhabi signed**  
→ Ready for liquidity event and/or global roll out



## The big CSP markets...

**...electricity generation:**  
China's newest 5 years-plan 2017 with min. 10 GWel until 2022

**...Solar Industrial Heat:**  
New market for CSP, not quantifiable yet

■ **HELIOVIS target markets**



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