

AGENDA

2nd International Workshop on Solar Towers Performance Enhancement & Cost Reduction

KEY EVENT DATA



18th – 19th September 2025



Plataforma Solar de Almería, Ctra. de Senés km
4.5 , 04200, Tabernas, Almería; Spain

EVENT ORGANIZERS:



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DAY 1: INDUSTRY INSIGHT & GLOBAL OUTLOOK

Sep. 18, 25

- 9:00 - 9:15** **Opening Remarks.** Welcome & Context and workshop goals.
- 9:00 - 10:45** **Session 1: Global Industry Perspectives.** Share successes, challenges, and market perspectives from across the globe (10 min talk + 5 min Q&A per speaker):
- ACWA Power – Operational lessons from commercial CSP tower plant
 - Cosin Solar – Scaling CSP: China's industrial model
 - Vast Solar – Modular hybrid towers with thermal storage
 - 247Solar – Decentralized Brayton cycle CSP for remote grids
 - Exera – Lessons from commercial CSP plants in Spain
 - Abengoa / Cox – The Importance of O&M: Training and Capacity Building of Local Teams
 - TEWER – Smart heliostats and automated solar field solutions
 - J.M.M.– The Potential Contribution of Concentrated Solar Power to Grid Stability
- 10:45 – 11:15** **Coffee break**
- 11:15 – 13:00** **Session 2: Supporting Industries in Solar Tower Technology.** Showcase how supporting industries contribute key innovations to CSP tower technology.
- CSP Services – Quality Control for CSP Towers
 - TIETRONIX – Advanced modeling and simulation tools for CSP optimization
 - SUNNTICS – AI-driven optimization and real-time control for CSP systems
 - SolStor Energy – Unlocking 24/7 renewables with long-duration thermal storage
 - LightHub Composites – Lightweight structures for next-generation heliostats
 - SETESUR – Smart monitoring and IoT integration for efficient CSP operations
- 13:00 – 13:30** **Lunch break**
- 14:30 – 16:30** **Session 3: Interactive Group Session (Open discussion).** What's missing for CSP to enter the energy mix in Europe? Draft practical proposals in three key areas: Market & policy, Business & financing, Technology & operations and Others

DAY 2: REVITALIZING THE SECTOR & RESEARCH-TO-MARKET SUPPORT **Sep. 19, 25**

9:00 – 10:30	Session 4: Revitalizing the Sector
9:00 – 9:30	Keynote Speaker Luis Crespo. <i>CSP 2.0: Enhanced Efficiency, Reliability, and Scalability at Lower Cost. The key to reviving the sector</i>
9:00 – 10:30	Debate: <i>What additional initiatives can be developed worldwide (@ National and International level) to bring the CSP sector back to life?</i>
10:30 – 11:00	Coffee break
11:00 – 12:45	Session 5: Research-to-Market Support. Share breakthroughs and align them with industry needs (10 min presentation + 5 min Q&A per speaker): <ul style="list-style-type: none"> - DLR – Onsite measurements & SolarPACES Heliostat Guidelines - IMDEA – Heliostat Pointing Challenges & Solutions in High-Concentration Solar Towers - UADB – 3D-CPC Receivers: Optical enhancements at receiver inlet - ANU - ANU's progress on heliostat characterisation for whole-field annual performance analysis - NREL - HelioCon project - CENER - Contributions to CSP competitiveness - CIEMAT- Research-driven solutions for deployment
12:45 – 13:30	Final Joint Action Roadmap (Open discussion). A strategic map of industry–research collaborations. Lessons learned: identifying what can be replicated and what should be avoided. Joint actions to promote CSP technology deployment at national and international levels, etc.

Thank you for your participation!

