

# Cost-Efficient Process Heat at Scale using Enclosed Parabolic Troughs Seminar

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*Brought to you by the Heliostat Consortium Resource, Training, and Education (RTE) topic area*

## BIO

Gerhard Weinrebe is an aeronautics engineer with a PhD in Energy Technology. He is a professional with a 30+ year career in solar energy working with ZSW, DLR (Germany and at PSA, Spain, Schlaich Bergermann und Partner (sbp), and since January 2023 with GlassPoint. Topics of focus include dish/Stirling systems, solar updraft towers, power towers, and parabolic trough collectors. He is also a member of the Stellio heliostat development core team. He has additional experience in PV tracker development and failure root cause analysis (for insurance companies).

## ABSTRACT

This seminar presents an overview on GlassPoint's enclosed trough technology for process heat (<https://www.glasspoint.com/technology>), including an outline on the development of the technology from the original version, providing direct solar steam for enhanced oil recovery to the current development that features liquid salt as heat transfer and storage medium and a tailored lightweight enclosure design. Some insights on current R&D activities and ongoing commercial projects will also be presented.

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