LIQTECH

# NEXTOWER

## Atmospheric air-based concentrated solar power (CSP) systems

# NEXTOWER

**LiqTech is part of the H2020 NEXTOWER project together with other highly competent companies in order to make innovative materials to boost the performance of atmospheric air-based concentrated solar power (CSP) systems to make them commercially viable.**

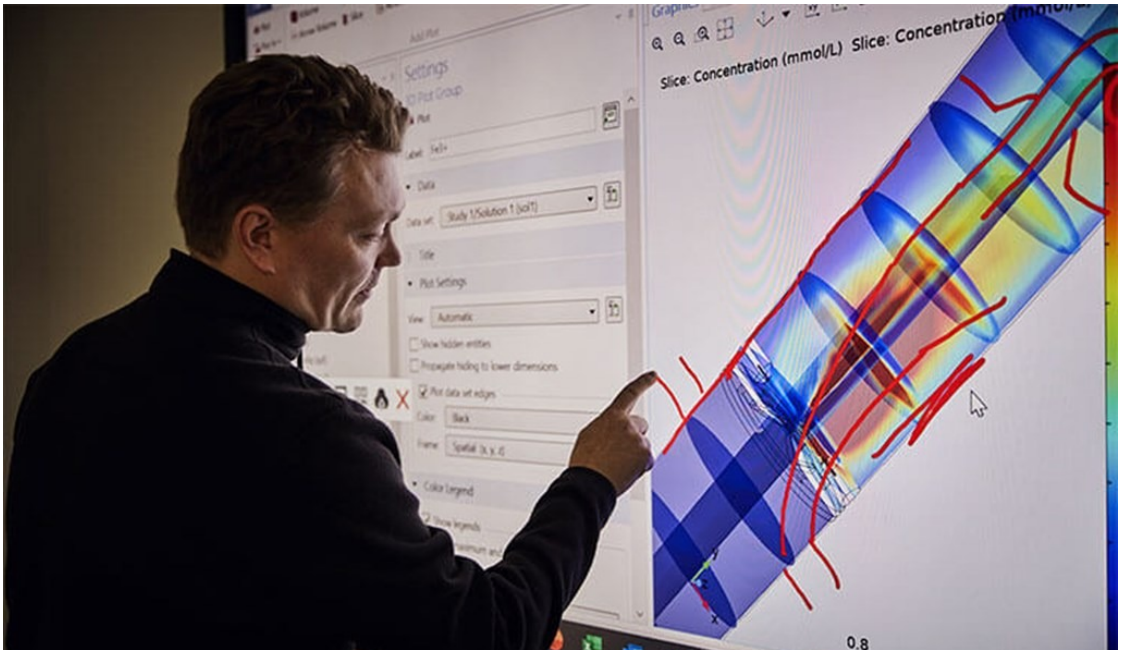
Especially, LiqTech is part of developing new mechanically tough and highly thermally conductive SiC ceramic receivers, working under extreme thermal cycling without failure at a maximum material temperature of at least 800°C and delivering over 20 years of continued operations.

See a video of our SiC Ceramic Solar Receivers.

Objectives of the H2020 NEXTOWER project:

- High-temperature receivers (durability & emissivity)
- Thermal fatigue and thermal shock (especially in joints)
- Thermal storage by liquid metals, e.g., lead-based systems (corrosion issues, efficiency, and max working temperature)Thermal fatigue and thermal shock (especially in joints)




# See more innovation projects

**Go back to our innovation section and learn more about our interesting projects.**

Maybe you would like to learn more about our particle filters for engines in heavy vehicles? Or high performance hybrid twc/gpf automotive after treatment systems?