

NEXTOWER

Atmospheric air-based
concentrated solar power (CSP)
systems



NEXTOWER

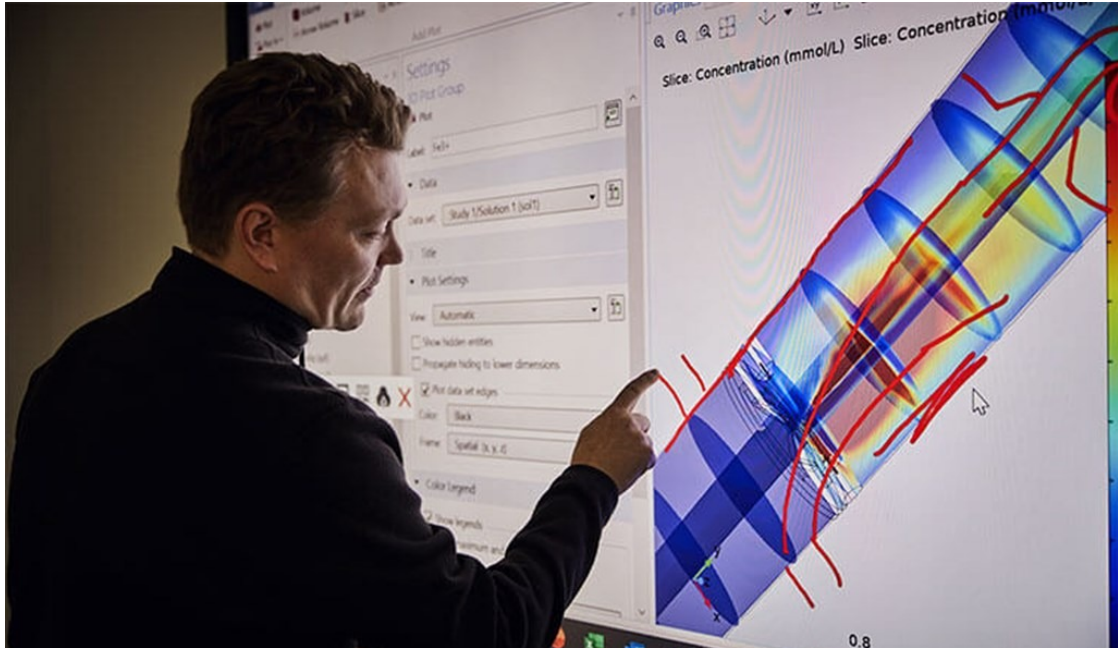
LiqTech is part of the H2020 NEXTOWER project together with other highly competent companies in order to make innovative materials to boost the performance of atmospheric air-based concentrated solar power (CSP) systems to make them commercially viable.

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?