



NEW STORAGE LATENT AND SENSIBLE
CONCEPT FOR HIGH EFFICIENT CSP PLANTS



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ABSTRACT

In this deliverable a state of the art review for punctual Fiber Bragg Grating (FBG) and Brillouin BOTDA) distributed sensors, for monitoring concrete structures and high temperature environments is showed. Furthermore, FBG and BOTDA sensors are tested and calibrated at high temperature. Moreover, strain and temperature FBG metallic coated and encapsulated sensors, have been tested at high temperature embedded in the different concrete materials developed in the WP4 and in the molten salts. The response of FBG sensors developed for these tests is analysed in detail. Finally, a table of questions, obtained from the obtained results, that are still pending of response is summarize.