In 2015 the Laboratory of Advanced Hardware Development of Research Station of the Russian Academy of Sciences (RS RAS) continued the works on electromagnetic prospecting complex development based on pseudo-noise sounding signals usage for modern electromagnetic monitoring system for stressed and deformed state of the Earth's crust. Small-size and thermo stable induction sensor intended for magnetic induction flow measurement was developed within this work. This sensor has high sensitivity in the range from 0,1 Hz to 80 kHz. Sensor prototype was made. Possible application for this sensor could be any geoelectroprospecting equipment based on measurements of man-made and natural electromagnetic fields.

Executed design is included in the report to the President of the Russian Federation: "**The REPORT on the fundamental sciences state in the Russian Federation and about the most important scientific achievements of Russian scientists in 2015"**
, on March 23, 2016, Section II -
"THE FUNDAMENTAL SCIENCES BRANCHES STATE AND THE MOST IMPORTANT SCIENTIFIC ACHIEVEMENTS OF RESEARCH INSTITUTIONS OF THE RAS - FASO SYSTEM"
, p. 133, as one of the major scientific achievements of the Russian scientists in 2015.