

**Project title:** Laboratory for tracking and erosion tests on composite insulators

Phase number: 1.

Planned objectives: - Study of the requirements resulted from the European Norm EN 62217  
-Theoretical substantiation of the testing schemes  
- Company standard

**Description of Activities** (performed within the phase, by using key-words and DESCRIPTORS)

**Activity I.1** Study of the requirements resulted from the European Norm EN 62217  
Theoretical substantiation of the testing schemes

Tracking and erosion test on composite insulators is a compulsory design and type test, according to EN 62217. The design tests are intended to check the conformity of the design, materials and manufacturing methods (technology) and the type tests are performed for checking the main characteristics of the composite-type insulators, characteristics depending mainly on their shape and dimensions. The type tests are performed on the composite-type insulators which passed the design tests. These tests determine, to the highest degree, the quality of composite insulators which will replace entirely in the near future (due to their technical-economic and environment protecting advantages) the porcelain or glass insulators

*Got results* (the quantifiable results/technical, economic, social, indicators etc. – economic effects recorded at the RD institute etc. are specified):  
Study – 1pc.

*Stage of achieving the planned objective/finalizing form (of the activity within the phase)*  
The planned objective has been achieved and finalized as “Study on the requirements resulted from the European Norm EN62217. Theoretical substantiation of the testing schemes”

**Activitate I.2** Company standard

Within this activity, the company standard “Laboratory for tracking and erosion tests on composite insulators” was developed. The constructive and functional characteristics, description and operation, quality technical conditions, rules for checking the quality the laboratory must fulfill have been established.

*Got results* (the quantifiable results/technical, economic, social indicators etc. – economic effects recorded at RD institute are specified):  
Company standard – 1 pc.

*Stage of achieving the planned objective/finalizing form (of the activity within the phase)*  
The planned objective was achieved and finalized as a company standard “Laboratory for tracking and erosion tests on composite insulators LIUE”