



LATVIJAS
UNIVERSITĀTE

NACIONĀLAIS
ATTĪSTĪBAS
PLĀNS 2020



EIROPAS SAVIENĪBA
Eiropas Reģionālās
attīstības fonds

IEGULDĪJUMS TAVĀ NĀKOTNĒ

Project name: Decision tool for optimal design of smart polymer nanocomposite structures produced by 3D printing

Project contract number: 1.1.1.1/19/A/031

PROJECT IMPLEMENTATION FOR THE REPORTING PERIOD
from 01.09.2022 until 30.11.2022.

Company ZRF RITEC SIA

During the reporting period, the following actions were implemented:

1. Post-processing optimization of 3D printed samples was carried out. Samples of non-conductive filament were fabricated and processed.
2. The structural parts of the microspectrometer housing are designed and manufactured from current-conducting filament using additive 3D printing technology.
3. Materials for the poster report "ELECTRICAL CONDUCTIVITY BEHAVIOR OF INTEGRATED CONDUCTIVE ELEMENTS IN POLYMER STRUCTURES USING FUSED DEPOSITION MODELING TECHNOLOGY" were prepared, the content of the report was discussed and a poster was made for the conference BALTIC POLYMER SYMPOSIUM 2022.
4. Company representatives participated in the conference BALTIC POLYMER SYMPOSIUM 2022, which was held from September 21 to 23 in Tallinn.
5. Completed measurements of samples made of a current-conductive material AMOLEN.

The information was prepared by: Viktors Ivanovs

Date of information preparation: 30.11.2022.