3D Printed Sensor Housing

viSEN sensor housing, printed with LUVOCOM 3F PET CF 9780 BK

Introduction

In this article we review a start-up project from the Czech company Visioncraft. In this project the housing of the sensor viSEN was developed and printed using LUVOCOM 3F PET CF 9780 BK. Visioncraft won the 1st place with this product in the global award of the North Texas Innovation Alliance related to start-up projects at the Smart City Expo World Congress!!

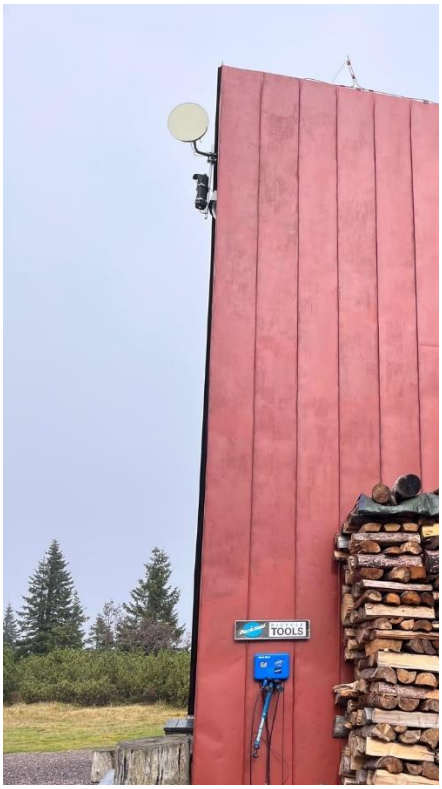
The product
viSEN monitors movements of objects, e.g. pedestrians, cyclists including their trajectories.

The requirements
Requirements for the housing:
- Temperature resistance between -30 and +60°C
- UV-resistant
- Water resistant

The material and 3D printing process
LUVOCOM 3F PET CF 9780 BK, PET carbon fiber reinforced. FFF printing.
Outstanding printability, combined with high strength and excellent surface appearance.

Where is it used?
KRNAP – National Park Krkonose, Czech Republic. KRNAP wants to monitor their park for a better managing of the facility.

Benefits
- Fast availability of customized housings.
- Cost saving compared to machined or molded parts.



The installed sensor at one building of KRNAP – National Park Krkonose.

About LEHVOSS Group:

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About Visioncraft:

Visioncraft is constantly looking for new and more effective ways to solve the problems of today's world as efficiently as possible using modern technologies. Visioncraft is fascinated by everything around AI, neural networks and machine learning. VisionCraft AI