SÃO PAULO STATE UNIVERSITY
School of Engineering of Ilha Solteira

TITLE

Research Report – Iniciação Científica

Student: Gabriel D. Silva

Professor: Douglas D. Bueno

UNESP

Ilha Solteira – SP

2022

RESEARCH REPORT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut pulvinar rhoncus dapibus. In orci odio, elementum vitae eros nec, rhoncus mattis ante. Proin vitae magna feugiat, facilisis enim nec, faucibus ante. Nullam rhoncus est ac odio sodales, et congue purus varius. Pellentesque nec ligula ante. Nunc volutpat nunc sit amet leo tempor consequat. Nulla et lectus id nisl pharetra aliquet ac quis tellus. Integer quis dictum nibh. Morbi ut nunc a quam fringilla commodo nec vitae tellus. Suspendisse tristique vel nisl vitae ornare. Aliquam a imperdiet dui. Phasellus a rhoncus mi. Quisque condimentum lacus velit, quis aliquet risus cursus non.

Keywords: word, word, word.

LIST OF FIGURES

LIST OF TABLES

CONTENTS

1 INTRODUCTION

Unnamed Aerial Vehicle (UAV) has been used for several applications. Historically, it was primarily designed to achieve military goals, such as unmanned inspection, surveillance, reconnaissance, and mapping of inimical areas. Over time, its applications extended to other areas, like geomatics, for data collecting through photogrammetry. This way, collecting images using UAV, provides a bunch of applications in the aerial close-range domain, making it a low-cost alternative to the traditional manned aerial photogrammetry for mapping or detailed 3D recording information and being a valid complementary solution to terrestrial acquisitions (NEX; REMONDINO, 2014). Nowadays, it can be used for entertainment, sports transmissions, commercial applications and also to get in places where human access might be difficult (SUSHANT et al., 2017).

REFERENCES

NEX, Francesco; REMONDINO, Fabio. UAV for 3D mapping applications: a review. *Applied geomatics*, Springer, v. 6, n. 1, 2014.

SUSHANT, S et al. Localization of an unmanned aerial vehicle for crack detection in railway tracks. In: IEEE. 2017 International Conference on Advances in Computing, Communications and Informatics (ICACCI). 2017.