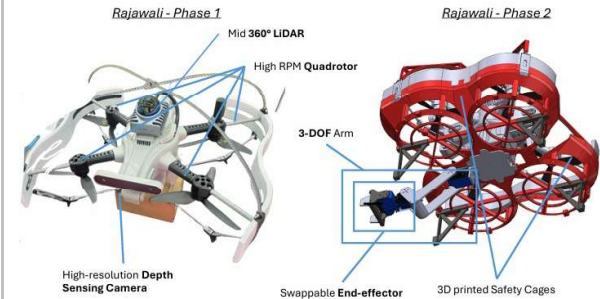| STM	Challenge	Bayu Sakti	Jakarta, Indonesia	

Key Development Points

Identify corrosions & cracks

Autonomous navigation

Recognize standard hazard labels

Identify thermal signatures

3-DOF robotic arm with detachable end effector

3D mapping

Rajawali - Phase 1   Rajawali - Phase 2
Mid 360° LiDAR
High RPM Quadrotor
3-DOF Arm
High-resolution Depth Sensing Camera
Swappable End-effector   3D printed Safety Cages

Team Introduction

Due to the frequent number of natural disasters in Indonesia, we want to create a drone to help streamline search and rescue efforts conducted by existing organizations.

We want to collaborate with existing organizations such as BNPB to implement our drone in their rescue efforts.

Role	Name	Affiliation/Position	Areas of expertise, research fields
Team Leader	Yohanes Kurnia Widjaja	CEO of PT Sari Teknologi	Robotics and Automation, AI, IOT, Design

Contact Information

Websites, etc.