INDRA

Drone Operator & Technician | Aerial Mapping, LiDAR, Geodetic Survey

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PROFESSIONAL SUMMARY

Drone operator and technician with more than 15 years in GIS and mapping, about 9 of them in UAV aerial surveying. Experience on plantation, forestry, coal mining, road and oil and gas projects (ConocoPhillips and Medco contractors). Assembles and repairs multirotor, fixed-wing and VTOL drones, flies mapping missions, runs geodetic control surveys (BM, GCP, ICP) and processes data into orthomosaics, DTM/DSM and LiDAR products. Remote Pilot License holder (Indonesian Air Force, 2019) and drone trainer for client companies.

PERSONAL DATA

- Born: Jambi, 28 November 1985
- Status: Married
- Religion: Islam
- Location: Jambi City

EDUCATION

- University of Jambi, 2007 - 2012
- SMUN 5 Jambi City, 2002 - 2005

TRAINING & LICENCE

- Remote Pilot License, Indonesian Air Force (2019)
- Basic Remote Pilot, Indonesian Air Force (2019)
- Total Station training, Bekasi (Lugas Consultan)
- Computer technician training
- National Seminar and 7th MKTI Congress
- Drone trainer: PT. MCM, PT. Jawapost Agro, PT. Dua Semeru Putra Mandiri

CORE SKILLS

- Assembly, fixed-wing: Skywalker 1880 / 1900 / X8, Skyhunter, Crosswind, Mini Crosswind; also multirotor (DJI) and VTOL
- Repair and maintenance of mapping UAVs
- BM, GCP and ICP measurement with geodetic GPS (RTK, static, PPK) and Total Station
- Processing: orthomosaic, LiDAR, DTM and DSM, GIS

MAPPING SOFTWARE

ArcGIS, AutoCAD, Civil 3D, Global Mapper, ArcView, MapSource, Mapwell, MicroStation, QGIS

AERIAL PHOTO PROCESSING

Agisoft, Aps Menci, PCI Geomatica, Pix4D, Spatix

DRONE / UAV APPS

Mission Planner, Litchi, DJI GO, Pix4D, Altizure, DroneDeploy

GEODETIC SOFTWARE

ChCnav CGO (CHC Geomatics Office), Trimble Business Centre (adjustment)

SURVEY EQUIPMENT

Geodetic GPS (Trimble), LiDAR, Total Station, Theodolite, Water Pass, Garmin handheld GPS

WORK EXPERIENCE

Drone Technician / Operator, KPN-IBT (Medco contractor) 2026 - present

Drone Technician / Operator, IBT-KPN (Medco contractor) 2024 - 2026

Drone Technician / Operator, Istech (client: ConocoPhillips) 2021 - 2024

Drone Technician, PT. Oryx Service (client: ConocoPhillips) 2019 - 2021
- Assembled and repaired DJI-series and fixed-wing drones (Skywalker X8, Skyhunter).

Drone Technician, PT. Depriwangga 2018 - 2019

Senior UAV Specialist, CV. Suar Alam 2017 - 2019
- Built fixed-wing UAVs for the project fleet: 500 ha per flight, 40 km range.
- UAV mapping of the PT. Inti Bara Nusalima coal mine (reserve calculation, concession area).
- UAV mapping of PT. Putra Muda Brothers plantation (oil palm tree census, concession area).
- Trained PT. Jawapost Agro staff in drone mapping and aerial data processing.

Aerial Survey Technician, PT. MCM 2017
- Fixed-wing UAV mapping for the planned Duri - Dumai toll road, Pekanbaru.

GIS and Aerial Survey Assistant, PT. Hutan Alam Lestari 2011 - 2017
- Plantation mapping and surveying; updated data with drones for planted and payment-survey areas.

SELECTED PROJECTS

- Drone sale and training, PT. Dua Semeru Putra Mandiri (17 July 2026)

- Industrial timber plantation mapping, PT. Samhutani, Sarolangun, Jambi (2019)
- Oil palm plantation mapping, PT. Hutan Alam Lestari, Jambi (2019)
- Skywalker unit assembly, PT. Inti Agro Makmur, Palembang (2019)
- Mapping of the jetty access road to Maloy, East Kalimantan (2019)
- Skywalker 1880 assembly for WWF Indonesia mapping, Jambi region (2019)
- Peatland site mapping (2018)
- Oil palm plantation mapping, Morowali, Samling Group (2018)
- Agricultural land mapping, Tanjung Jabung Timur (2018)
- Mapping of reservoirs and small dams, Riau Islands (2018)