

# Company Profile

## ASTTA for ITAP 2022

Singapore  
18-20 December 2021



# Profil Organisasi



# Kegiatan

ASTTA sudah terinisiasi sejak tahun 2018 melalui kegiatan-kegiatan yang dilakukan.

- *Berpartisipasi dalam tim delegasi Indonesia untuk The 2nd World Drone Congress 2018 (China) bersama World UAV Federation*
- *Berpartisipasi dalam tim delegasi Indonesia untuk The 3rd World Drone Congress 2019 (China) bersama World UAV Federation*
- *Menghadiri undangan dalam Japan Drone 2019 Conference*
- *Ikut serta dalam pembahasan penggunaan frekuensi untuk drone bersama Kemkominfo*
- *Ikut serta dalam pembahasan aspek keamanan dan keselamatan barang pos yang dikirim melalui moda PUTA (drone) bersama kemkominfo*
- *Ikut serta dalam diskusi Roadmap Industri Penerbangan Kemenristek*



# Kegiatan

- *Ikut serta dalam diskusi Riset dan Inovasi untuk Membangun Industri Drone Nasional bersama Kemenristek/BRIN*
- *Berperan aktif dalam uji coba drone delivery JD.ID (Indonesia) dan JD.Com (China) di Indonesia*
- *Berperan aktif dalam uji coba sistem UTM (Unmanned Traffic Management) dari Airmap (USA) dan Terra Drone (Japan) bersama DNP, DKPPU, dan Airnav*
- *Kuliah Umum Sistem & Teknologi Tanpa Awak di Pertamina University (2018)*
- *Kuliah Umum UAV Recent Study di STMKG (2019)*



# Milestone

10 September 2019:  
Focus Group Discussion  
Asosiasi Sistem & Teknologi Tanpa Awak  
LAPAN



# Milestone

13 Juli 2020:  
Webinar  
Peluang Kolaborasi Stakeholders Teknologi  
Drone Indonesia  
DKPPU



**WEBINAR**

## Peluang Kolaborasi Stakeholders Teknologi Drone Indonesia

13, 15, 17 Juli 2020 | 13.00 WIB - Selesai

**Hari 1 (Senin, 13 Juli 2020)**

- 12.55 - 13.00  
**Lagu Indonesia Raya**
- 13.00 - 13.15  
**Pembukaan oleh Direktur Kelaikudaraan dan Pengeroperasian Pesawat Udara**  
Direktur: Dadun Kohar
- 13.15 - 13.35  
**Sistem Design Organization Approval (DOA) Indonesia**  
Pembicara: I Gusti Bagus N S P (DKPPU)
- 13.35 - 13.55  
**Profile Asosiasi Sistem dan Teknologi Tanpa Awak (ASTTA)**  
Pembicara: Ryan Fadhillah Hadi (ASTTA)
- 13.55 - 14.15  
**Laboratorium Pengujian Kualifikasi Komponen RPAS**  
Pembicara: Gunawan Setyo P. (LAPAN)
- 14.15 - 14.35  
**Command and Control Link**  
Pembicara: M. Luthfi (PT Eniro)
- 14.35 - 15.15  
**Tanya Jawab dan Pembahasan**  
Penyempit:
  - Hosi Manggani Pasaribu (ITD)
  - Capt. Novyanto Winda (Kemendikbud)
  - Putu Juli Ardika (Keresperin)

**Hari 2 (Rabu, 15 Juli 2020)**

- 13.00 - 13.20  
**Proses Sertifikasi Rancang Bangun RPAS**  
Pembicara: Afri Fajri (DKPPU)
- 13.20 - 13.40  
**Skema Pembiayaan Riset dan Pengembangan Teknologi Drone**  
Pembicara: Wihiek Yuliani (Kemendiknas)
- 13.40 - 14.00  
**Remote Pilot Station**  
Pembicara: Indra Perdana S. (PT BETA)
- 14.00 - 14.20  
**Rancang Bangun Electrical Engine untuk Drone**  
Pembicara: Putra Adrian (PT Chroma)
- 14.20 - 14.40  
**Pengembangan Cargo Drone**  
Pembicara: Bonaki Bessie (PT UJAVINDO)
- 14.40 - 15.20  
**Tanya Jawab dan Pembahasan**  
Penyempit:
  - Gunawan Setyo Prabowo (LAPAN)
  - Moh. Awi (DKP-Dijen Hubud)

**Hari 3 (Jumat, 17 Juli 2020)**

- 13.30 - 13.50  
**RPAS Regulatory Framework**  
Pembicara: Mebey Yogastora (DKPPU)
- 13.50 - 14.30  
**Pengembangan Rancang Bangun Prototype RPAS BPPY**  
Pembicara: Adhi Ghama Perdana (BPPY)
- 14.10 - 14.30  
**Detect and Avoid Technology**  
Pembicara: Yazi Ibrahim Jene (ITB)
- 14.30 - 14.50  
**Pengembangan Drone Air Taxi**  
Pembicara: Alexander Ludi (Pegadaian)
- 14.50 - 15.20  
**Tanya Jawab dan Pembahasan**  
Penyempit:
  - Afri Santosa (Kemendikbud)
  - Wihiek Yuliani (Kemendiknas)
  - Gerson Damark (Kominfo)
- 15.20 - 15.30  
**Penutupan**  
Kasubid SPU: Agustines Budi Hartono

Live on Official DKPPU YouTube Channel



## Asosiasi Sistem & Teknologi Tanpa Awak (ASTTA)

Juli 2020



zoom

### Milestones



zoom



Peluang Kolaborasi Stakeholders Teknologi Drone Indonesia



Asosiasi Sistem & Teknologi Tanpa Awak

# Brief Summary



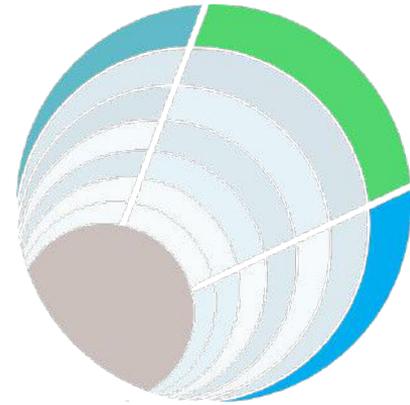
**Asosiasi Sistem & Teknologi Tanpa Awak (ASTTA)** hadir untuk mewadahi pelaku usaha, pengembang, penggiat, profesional, serta komunitas di bidang pengembangan sistem & teknologi tanpa awak yang meliputi sistem tanpa awak baik di udara, darat, permukaan air, bawah air, dan sistem pendukungnya.

## Visi

Menjadi organisasi yang mendukung, melindungi, memasyarakatkan perkembangan sistem & teknologi tanpa awak di Indonesia, menuju partisipasi aktif di tingkat internasional

## Misi

- Meningkatkan daya saing Indonesia di tingkat regional dan internasional dalam hal pengembangan, pengoperasian dan kerjasama lain dalam bidang sistem tanpa awak
- Melindungi, menjalin hubungan aktif untuk meningkatkan kemampuan industri dalam negeri bidang sistem tanpa awak
- Mengembangkan dan meningkatkan kemampuan SDM bidang sistem tanpa awak
- Melindungi komunitas dan secara bersama-sama memasyarakatkan perkembangan, pengaplikasian dan aspek keamanan dari sistem tanpa awak



# Posisi Organisasi

**Asosiasi Sistem & Teknologi  
Tanpa Awak (ASTTA)**

badan usaha/perorangan sebagai  
pengembang sistem & teknologi



**Asosiasi Pilot Drone Indonesia  
(APDI)**

perorangan dengan profesi pilot



**Asosiasi Solusi Nirawak Indonesia  
(ASNI)**

badan usaha sebagai penyedia jasa



**Federasi Aero Sport Indonesia  
(FASI)**

Klub/komunitas dalam lingkup olahraga &  
rekreasi



**Indonesia Aerospace Engineering  
Center (IAEC)**

badan usaha/perorangan dalam lingkup  
industri penerbangan

# Profil Perusahaan Co-Exhibitor ITAP 2022





# CV AMX UAV Technologies (AMX UAV)



AMX UAV's core business lies in mapping drone manufacturing and aerial mapping services. Mapping drone currently plays a vital role in various industrial sectors, to meet the needs of spatial/land survey data. Aerial mapping missions required a reliable and easy to operate mapping drone. AMX UAV's product, Vertic is a vertical takeoff-landing (VTOL) mapping drone that is easy to control, fully autonomous, high stability, and capable of operating from a narrow site. AMX Vertic is ready for various applications such as agriculture, urban planning, construction, plantation, mining, forestry, and oil & gas.

## Featured Product: **Vertic drone**



Vertic is vertical take off-landing (VTOL) Drone easy to control, fully autonomous, and capable operate from narrow site. Vertic with high stability performance can fly in windy condition (wind resistance 14m/s (fixed wing mode) & 9m/s (copter mode)). Vertic is ready for various application such as agriculture, urban planning, plantation, mining, forestry, and oil & gas.



Frogs Indonesia is the first commercial drone development industry in Southeast Asia that is also developing passenger drone technology to compete with other developed countries. Frogs Indonesia was born from the many challenges that must be solved with technology, ranging from increasing carbon emissions that affect climate change, population density, infrastructure that is not yet fully integrated, slow handling of emergency response, productivity of the agricultural industry, plantations and so on. Frogs Indonesia has strong capabilities in the field of engineering so that it is able to develop various types of unmanned aerial vehicles with various flight missions, even with special configurations and special flight missions.



Featured Product:  
**Sekar Agri sprayer drone**

The presence of the sprayer drone is to facilitate and manage the agricultural land in terms of spraying fertilizers and pesticides with a shorter time compared to circumnavigating the land that was previously done manually which can take hours or even days.

# PT Bentara Tabang Nusantara (BETA)



Established in 2016, PT Bentara Tabang Nusantara (BETA) develops and manufactures Unmanned Aircraft Systems to meet the growing demand for remote sensing technology like mapping, monitoring, and inspection. Starting from a military and research background, BETA now focuses on fulfilling industrial needs with a variety of features that increase productivity and efficiency while also being applicable in many fields.



## Featured Product: **Raybe VTOL drone**

RAYBE is an unmanned aerial vehicle (UAV) with vertical takeoff and landing capabilities suitable for mid-range missions in tropical environments. It can be equipped with a wide selection of sensors for mapping missions, such as RGB and multispectral cameras, as well as precision positioning kit (PPK) for increased accuracy.



**TerraDrone**

# PT Terra Drone Indonesia (TDID)



Terra Drone Indonesia is a subsidiary of Terra Drone Corporation which focuses on providing drone services for Indonesian customers. The services include aerial photography, photogrammetry & LiDAR survey, visual inspection, thickness measurement, geophysical survey, security patrol, and real-time surveillance, all by using drones. In addition, the company also sells drones & accessories and provides training & consulting services to help its customers in developing their drone programs. The company has been working with multi-national companies from various sectors such as Chevron, Exxonmobil, AECOM, Bureau Veritas, and others. Terra Drone Indonesia is aiming to make drones part of standard industry practice.

## Featured Product: **Terra LiDAR One**



Terra LiDAR One is a LiDAR system produced by Terra Drone Corporation, Japan. The development of the series was supported by Terra Drone Indonesia which has numerous LiDAR survey experiences for various applications. The system is equipped with LiDAR Sensor Hesai Pandar XT32 with a range accuracy of  $\pm 1$  cm and data points single return of 640,000 points/sec. It is using survey-grade IMU/GNSS Applanix APX-15 with a roll & pitch accuracy of  $0.025^\circ$  and heading accuracy of  $0.080^\circ$ . The system is suitable for LiDAR surveys for topographic mapping, power line modeling, stockpile measurement, and many more. The system comes with two options: the on-premise version and the cloud version.



# PT Aria Agri Indonesia (ARIA)



Aria Agriculture Indonesia is an agri-tech company that focuses on making the agricultural industry more modern and efficient. Aria Agriculture provides a variety of modern services based on IoT (Internet of Things). Our services are worker tracker, drone spraying, drone mapping, data platform, IoT spreader, digital agronomist, USV Bathymetry. Through this technology service, Aria Agriculture wants to inspire the younger generation to become agents of change by becoming modern farmers.

## Featured Product: **ARIA Smart Farming**

Our services are worker tracker, drone spraying, drone mapping, data platform, IoT spreader, digital agronomist, USV Bathymetry.



# Terima Kasih



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**Asosiasi Sistem & Teknologi Tanpa Awak**