

PT. Dua Empat Tujuh

SOLUSI247 | LABS247 | INSIGHTS247 | DATALEARNS247

Company Overview

Products and Services

High Technology

- Radar, Sensor & IoT
- AIS, FOD, ASR & Tracer

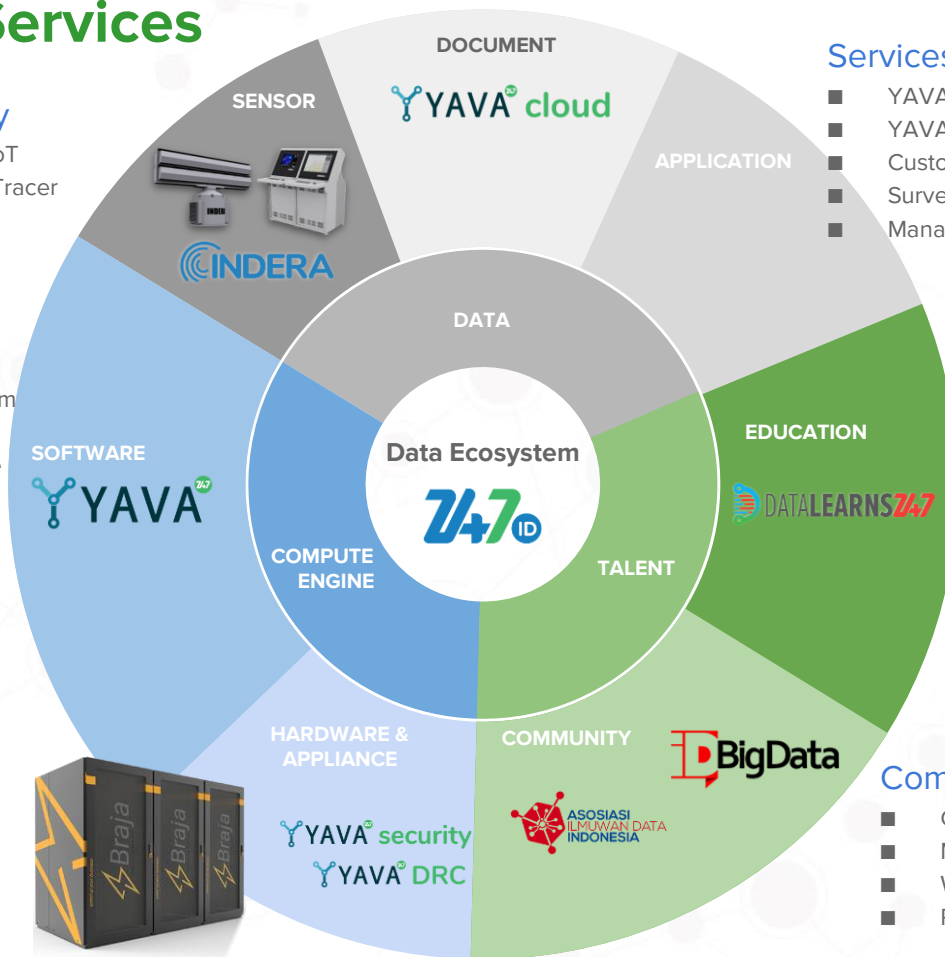


Data Technology

- YAVA²⁴⁷ Data Management Platform
- YAVA²⁴⁷ Data Engineering Tools
- YAVA²⁴⁷ Data Analytics & Machine Learning Tools
- YAVA²⁴⁷ Deep Learning Platform



YAVA Big Data Appliance



Services & Application

- YAVA²⁴⁷ Media Analytics
- YAVA²⁴⁷ Healthcare
- Custom Application Development
- Surveillance System
- Manage Service / Operation



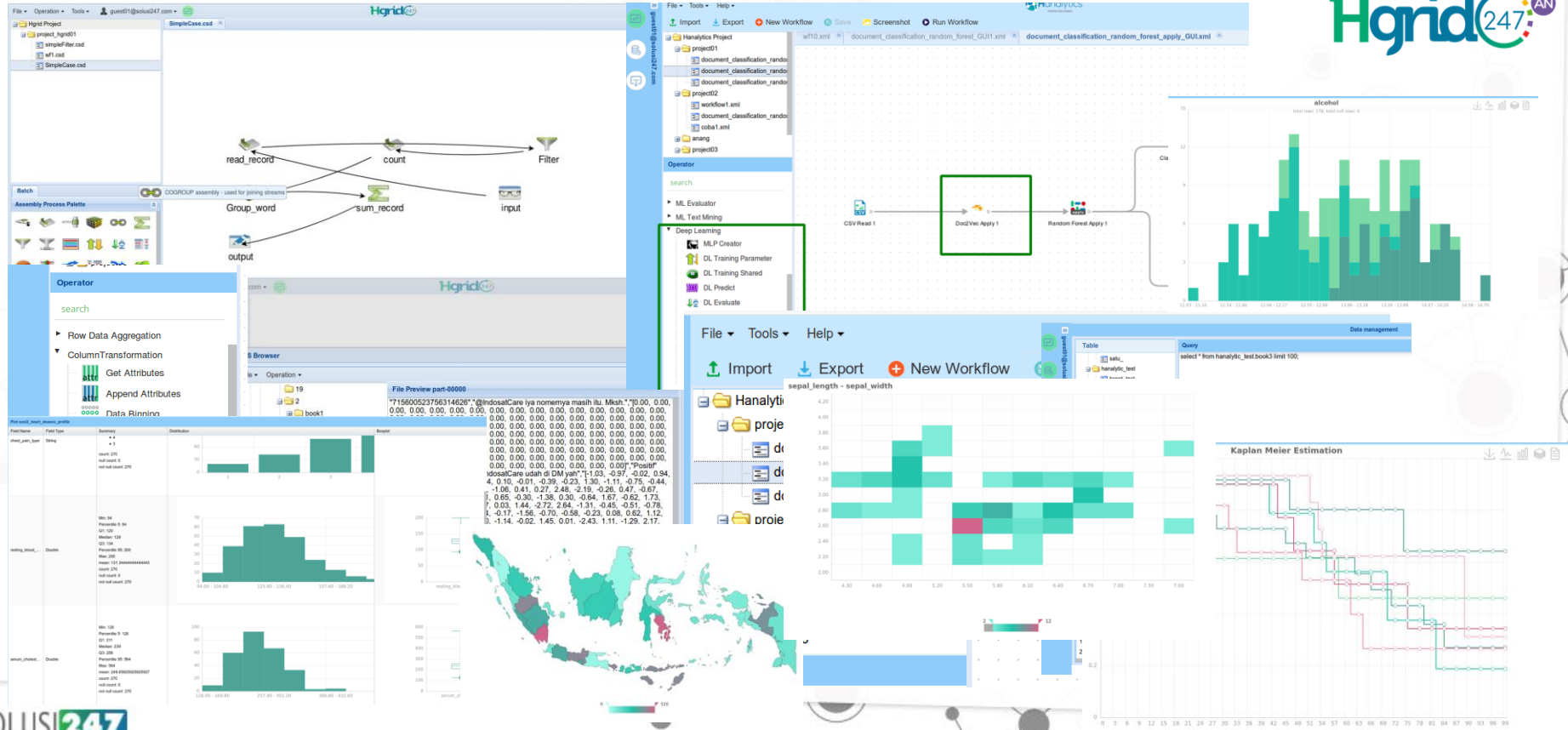
Education

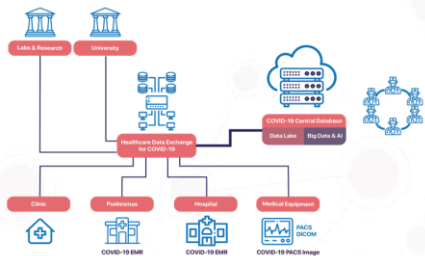
- Training & Workshop
- Certification
- Research Collaboration
- Integrated Courses

Community & Association

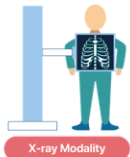
- Conference
- Meetup
- Workshop
- Research

Big Data Analytics - HGrid ANalytics





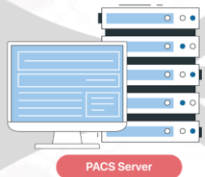
CT Modality



X-ray Modality

Acquire

PACS currently receives studies from modalities such as X-ray, MRI, CT, US and Nuclear Medicine



PACS Server

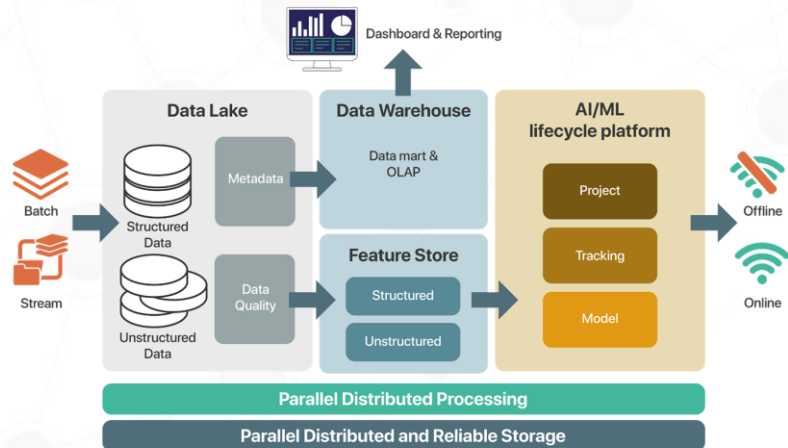
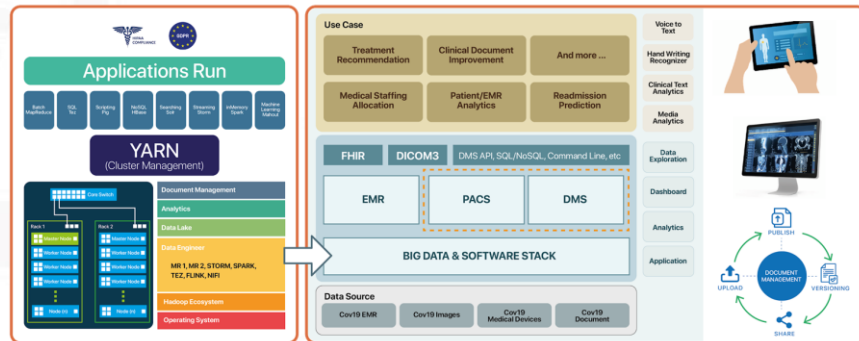
Store

Annually the PACS receives 860,000 studies from 14 hospital organizations



View

Radiologist interpret the studies using PACS, while Clinicians and other allied healthcare professionals access patients images and report using PACS



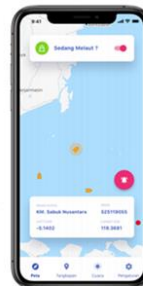
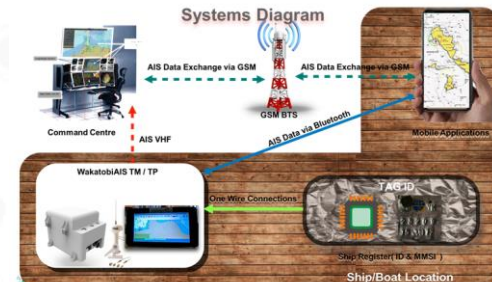
AIS + SART



Site Monitoring



Systems Diagram



Fitur koneksi dengan GSM AIS

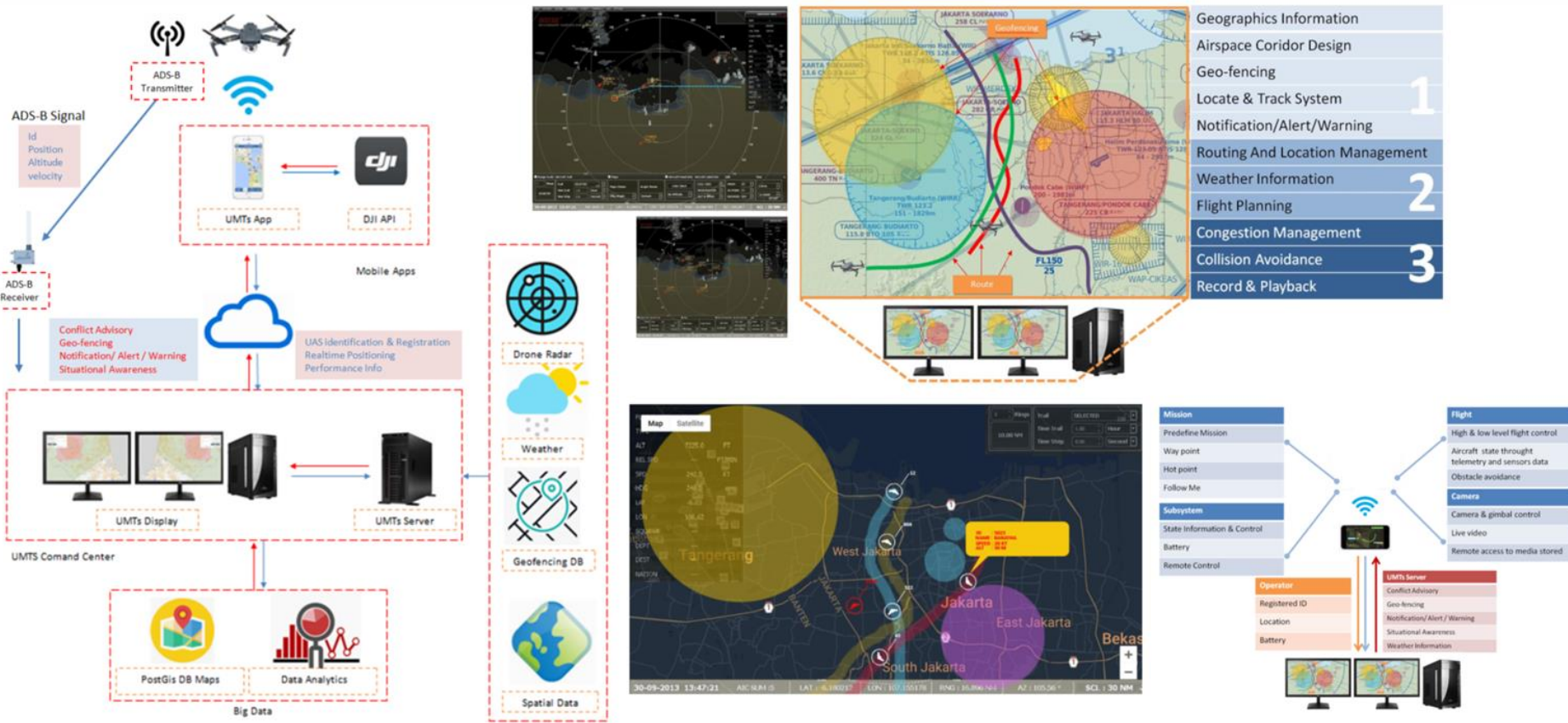


Fitur tagging dan tangkapan

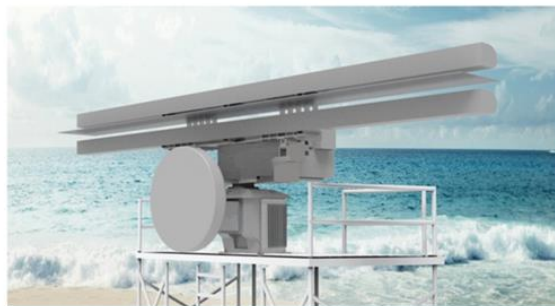


Fitur cuaca (suhu, arus, angin, gelombang)

Drone Traffic Management System



High Technology Products



INDERA CX-4M FMCW X-BAND COASTAL SURVEILLANCE RADAR

INDERA CX-4M is an X-band coastal surveillance radar system featuring solid-state Frequency-Modulated Continuous-Wave (FMCW) technology with very low transmit power and frequency agility. It implements state-of-the-art hardware technology and advanced signal processing techniques which lead to superior capability in target detection. INDERA CX-4M is equipped with target tracking software (MATAP (Maritime Tracking Aid)) to include ARPA functionality, AIS, long range camera and vessel traffic services (VTS). A number of INDERA CX-4M radars can be integrated in a radar network using radar networking system (RNET) (INDERA Radar NetWork).

INDERA CX-4M is a quiet coastal surveillance radar which allows you to see without being seen...

SPECIFICATIONS

NAME
Solid State FMCW X-Band Coastal Radar

MODEL
INDERA CX-4M

PERFORMANCE MONITOR
Integrated

FREQUENCY
X-Band

DISPLAY
Color Radar Plot

POWER SUPPLY
AC 220 to 240V, 50/60 Hz

POWER CONSUMPTION
Avg 375 Watt

SCANNER

MODEL
Swivel Waveguide

ANTENNA LENGTH
Fan beam max. 4m
Range 1 beam max. 60cm

TRANSMIT POWER
20 Watt (Avg)

BEAMWIDTH
Fan beam - max 1° (Horizontal)
max 22° (Vertical)

ROTATION SPEED
24 RPM

RANGE SCALE
0.25/0.5/0.75/1/1.5/2/3/4/6/12/24/36/72 NM

MODULATOR
Solid State Modulator Circuit

RADAR DISPLAY UNIT

MODEL
Integrated

LCD
1280 X 1024 pixel

BEARING INDICATION
North-up / Head-up / Course-up

ARPA TRACKING NUMBER
600

AIS TARGET NUMBER
300

PROCESSING
Doppler

CHART
5-SW 5-63

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- ✓ Radar X-Band FMCW
- ✓ 20 Watt Transmit Power Max.
- ✓ S57/S63 Electronic Chart
- ✓ AIS Integrated
- ✓ COTS, Solid State, High Local Content



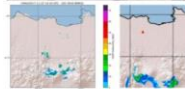
Non Polarimetric Weather Radar



Radar Type	FMCW Dual Antenna
Polarisasi	Single Polarimetric (HH)
Model	Swivel
Day Power	30 Watt
Frekuensi Target	9340 MHz (X-Band)
Resolusi Jarak	30 cm - 3 m
Pengoperan	Radar Remote Portabel

Radar Cusca Non Polarimetric Portabel ini dikembangkan untuk mencapai tujuan sebagai berikut:

- Mendeteksi reflektivitas awan maupun intensitas curah hujan di area blank spot
- Meliputi bencana hidrometeorologi
- Melengkapi area cakupan radar cuaca utama
- Memperoleh data resolusi tinggi di area yang dibutuhkan



INDERA VX-1 FMCW X-BAND COASTAL AND SURVEILLANCE RADAR

INDERA VX-1 is an X-band coastal surveillance radar system featuring solid state FMCW (Frequency-Modulated Continuous-Wave) technology with very low transmit power and frequency agility. It implements state-of-the-art hardware technology and advanced signal processing techniques which lead to superior capability in target detection. INDERA VX-1 is equipped with target tracking software (MATAP (Maritime Tracking Aid)) to include ARPA functionality, AIS and electronic navigational chart system (ECS/ECDIS). A number of INDERA VX-1 radars can be integrated in a radar network using radar networking system (RNET) (INDERA Radar NetWork).

INDERA VX-1 is a quiet coastal surveillance radar which allows you to see without being seen...

SPECIFICATIONS

NAME
Solid State FMCW X-Band Coastal Radar

MODEL
INDERA VX-1

FREQUENCY
X-Band (9340 +/- 3049Hz)

DISPLAY
Color Radar Plot

POWER SUPPLY
AC 220 to 240V, 50/60 Hz

POWER CONSUMPTION
Avg 1000 VA, Max 1500 VA

SCANNER

MODEL
Swivel with 1 Microstrip Phased Array

TRANSMIT POWER
30 Watt (Peak)

ROTATION SPEED
24 RPM

RANGE SCALE
0.25/0.5/0.75/1/1.5/2/3/4/6/12/24/36 NM

RF SYSTEM
Solid State

RADAR DISPLAY UNIT

LCD
1280 X 1024 pixel

BEARING INDICATION
North-up / Head-up / Course-up

ARPA TRACKING NUMBER
250

AIS TARGET NUMBER
300

PROCESSING
Doppler

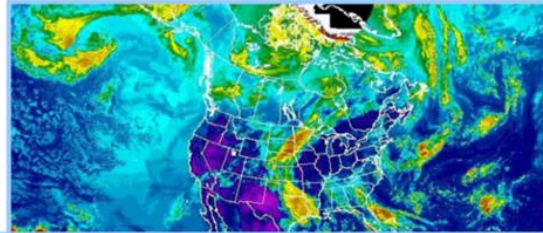
CHART
5-SW 5-63



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Hybrid Technology Products



EDUKASI & KOMUNITAS

R&D & PLATFORM

APLIKASI & IMPLEMENTASI

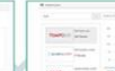
INTERNATIONAL CERTIFICATION

BIG DATA ANALYST

With TUV Rheinland Certified Qualification



Applications Run



YARN (cluster management)



Thank You



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