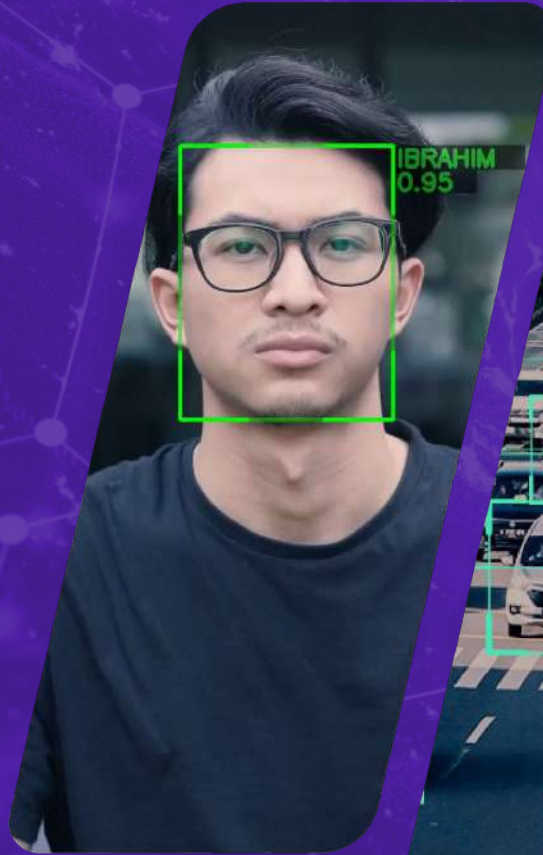


Help You Realize the Impact and Benefit of Vision AI



Vision

A home to grow and inspire through passion towards technology and innovation.

Mission

Deliver practical technology solutions that give significant benefits for society

Shared Believe

We believe that Indonesia deserves advancement, and each of us have the obligation to contribute collectively and collaboratively

Mission Pillars

Business Performance

Excellent business performance is an inevitable foundation to meet our vision. Thus, by becoming a sustainable, independent, and highly performed company, we will have more competency and influence to stimulate further and more sustainable technology development.

Technology Mastery

Our passion for technology is the main fuel to our technology acceleration. Technology has been continuously acting as the main locomotive of transformation. Nodeflux believes in order to do so, we need to keep pushing the edge instead. Rather than becoming customer from other advancement. We will continuously innovate and develop our technology mastery to become the center, the go-to name in research, business, or simply an exemplary for anyone to look up to.

Nation Contribution

Multidimensional efforts are required to propel our nation towards advancement. However, we believe no matter how small it is, we should do our best to develop impactful solutions, master the technology, build a sustainable tech company, share our thoughts & knowledge, and bring value on every opportunity to become part of Indonesia's advanced solutions.

A Home for the **Brightest Minds**



Meidy Fitranto **Co-Founder & Co-CEO**

Task Force at Strategi Nasional Kecerdasan Artifisial
 Coordinator PIKA (Pusat Inovasi Kecerdasan Artifisial) under BPPT
 Co-Founder & Sekjen KORIKA Kolaborasi Riset dan Inovasi Industri Kecerdasan Artifisial
 Co-Founder & General Secretary of Asosiasi Biometrik Indonesia
 Dosen Pembimbing at Magister Management MPI Prasetya Mulya



Faris Rahman **Co-Founder & Co-CEO**

Leading team to become
1st and only vision AI company from Indonesia to pass the coveted NIST Face Recognition Vendor Test (FRVT)



Adhiguna Mahendra, Ph.D **Chief of AI Innovation**

± 20 years Enterprise Architecture & Intelligent Systems in different verticals (Aviation, O&G, Manufacture etc).
 CEO & CTO at Aerosystems Indonesia-Garuda Group.
 Triple Master's in Robotics and Computer Vision & PhD in Computer Science.
 Awardee, Australian Award, Tech business, Queensland University of Technology.
 The Member of Indonesia AI Strategy Roadmap by The Ministry of The Technology Republic of Indonesia
 The Formulator of AI RSKNNI by The Ministry of Communication and Information Technology Republic of Indonesia



Adhi Nugroho Murbini **Chief Operating Officer**

± 10 years experience in project & operation management
 ± 10 years experience in investment, money market, & fund management



Laksono Kurnianggoro, Ph.D **AI Research Scientist**

Machine Learning Researcher & Deep Learning Practitioner.
 Holds a PhD at Ulsan University, Korea.



Igi Ardiyanto, Dr. Eng **AI Research Scientist**

Python, C++, Java & AWS Licensees.
 Achieve 6 Publications since 2012.
 Dr. Eng. & M.Eng from Toyohashi University of Technology, Japan.



Kahlil Muchtar, Ph.D **AI Research Scientist**

Achieve 10 Publications since 2010.
 PhD from Sun Yat-Sen University, China



Oky Firmansyah **Chief Technology Officer**

± 13 years experiences leading engineering team
 One of founding members and key person in overseeing the growth of Oy Indonesia.



Alfin Syafalni, M. Sc **Software Engineer**

M.Sc. Universiti Sains Malaysia
 Mastery in C++ & Software Development



M Rizky Munggaran, M. Eng **Research Lead**

M. Eng Institut Teknologi Bandung, Indonesia.
 Mastery in Python, Data Science & Deep Learning.



Iman Rahmansyah T, M. Eng **Research Lead**

M. Eng. Kumoh National Institute of Technology South Korea.
 Mastery in Machine Learning & Computer Vision.



Randy Pangestu K, M. Eng **AI Research Scientist**

M. Eng University of Indonesia.
 Mastery in Machine Learning & Computer Vision.



Our Key Milestones

2016

- Established
- Product Market Fit & Tech Development Stage

2017

- Go to Market Stage
- People Estimation for Transjakarta
- Classified Client for PLBN Surveillance

2018

- Provide Security & Surveillance for 2 High Profile International Events: Asian Games 2018 and IMF World Bank Group Annual Meeting.
- Roll out surveillance to 12 Polda (DIY, Babel, Sulteng, Gorontalo, NTB, Banten, Sulut, Kaltim, Kalbar, Sumut dan Jatim)
- Integration with 190 Million face data DISDUKCAPIL Citizen Database with DIVTIK POLRI
- Received SATU Indonesia Awards

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2019

- Wider collaboration with Jakarta Smart City is set to trigger the creation of more smart city solutions.
- Strategic partnership with Dukcapil as Platform Bersama provider for E-KYC solution.
- Received NTT Startup Challenge Award and Startup World Cup Award
- Roll out surveillance to 5 Polda (Riau, Kepri, Maluku, Papua dan Papua Barat)



2020

- Received BPPT Innovation Award and IdenTIK Kominfo 2020 Award
- Registered PSE Kominfo.
- Contributing to "Policy Prototyping on AI-Explainability" with Facebook
- Launched Nodeflux Catalyst
- Roll out implementation to 5 Polda (Kalut, Aceh, Lampung, Sumbar dan Sulbar)
- Contributing to "Indonesia National AI Strategy"

2021

- KORIKA (Kolaborasi Industri dan Inovasi Kecerdasan Artfifisial) on 2021
- Launching new subsidiary company named Retailmatix which focus on FMCG and retail industry that deliver Sales Force Automation.
- Received gold medal in ASEAN ICT AWARDS 2021.

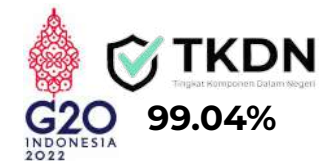
2022

- Provide Security & Surveillance for G20 Presidency Indonesia
- Achieved 99.04% TKDN (Local Component)
- Implementation of monitoring dan surveillance on 11 airport and 14 harbor

2023

- And much more to discover

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Why Nodeflux

Local Technology Principal



Nodeflux obtain High TKDN value (99.04%)

Proud to be Indonesian, Nodeflux is Made in Indonesia, By Indonesian, supported by Indonesian investor and consists of all Indonesian talented engineers until today. Nodeflux Brand and Product is also Registered as Indonesian Intellectual Property.

TKDN is a derivative from the program Peningkatan Penggunaan Produk Dalam Negeri (P3DN) as the initiative of the Ministry of Industry to boost the productivity and competitiveness of the national industry amid world trade.

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With World Class Quality



Top 25th from 148 (85th Percentile) in NIST FRVT Leaderboard

The National Institute of Standards and Technology is a physical sciences laboratory and a non-regulatory agency of the United States Department of Commerce. Its mission is to promote innovation and industrial competitiveness.

NIST FRVT (Face Recognition Vendor Test) is becoming de facto of **Global Benchmark for Face Recognition Technology**.

Nodeflux passed NIST's Face Recognition Vendor Test in 2019. Becoming the **1st from Indonesia**. Which only 4 from southeast asia 1 Indonesia, 3 singapore.

Nodeflux **ranked 25th world's best from ±90** Vision AI company around the world.



Professional Support

From the engineering, sales, to partnership team, we are the best people in the fields to provide best AI solutions for our clients



Wide Variety of Products

various AI analytics and solution to answer various real life use cases



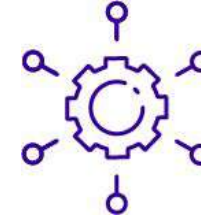
Global Competence

The first Indonesian algorithm that passed the U.S NIST Face Recognition Vendor Test (FRVT)



Data Collection As Assets

Our analytics is built with a wide variety and high quality dataset for best performance



Easy Integration

Clients could easily integrate and build solution through REST API, SDK, websocket

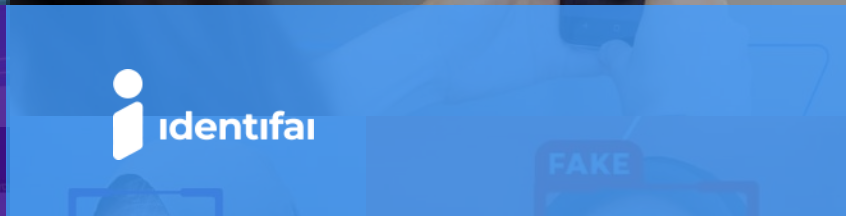
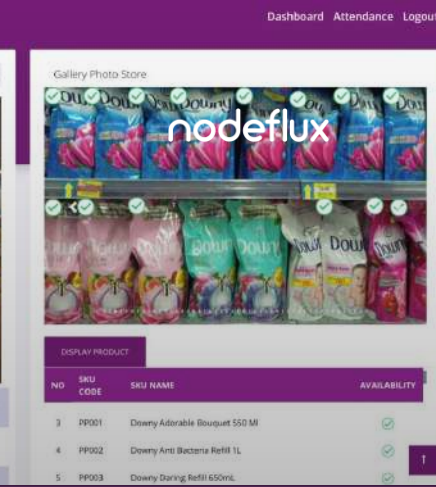
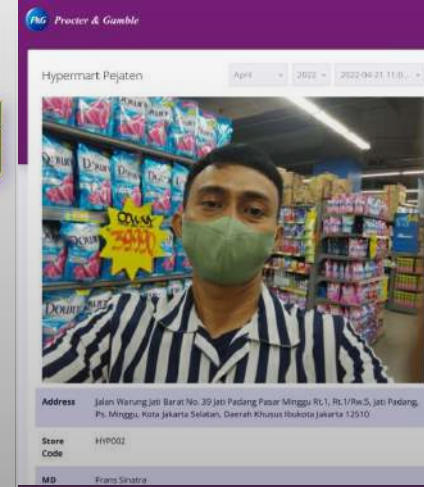


Proven Implementation

Experience have taught us in handling various clients in diverse environment.



Nodeflux Brand Portfolio



Computer Vision Integration Engine

Deliver high impact and scalable solution for operation through vision AI capabilities. Most of the implementation is for security, surveillance and policy enforcement.

AI Based E-KYC Solution Automation

Enabling seamless and customized verification, identification, and authentication as part of onboarding process.

AI Powered In-store Execution and Sales Force Automation

The primary customer is FMCG brands who want to increase their efficiency and accountability of the process on their in-store execution audit activities using AI technology.



Easy Integrations

VisionAlre offers an easy installation, as well as easy integration which will support better decision making with the unified view.

Handled by Experts

Our team are highly specialized in the industry and matters they are dealing with, giving you only the best experience.

Constant Improvement

We will make sure to be continuously improved to get your hand on the latest Artificial Intelligence technology without worry.

Flexible Deployment

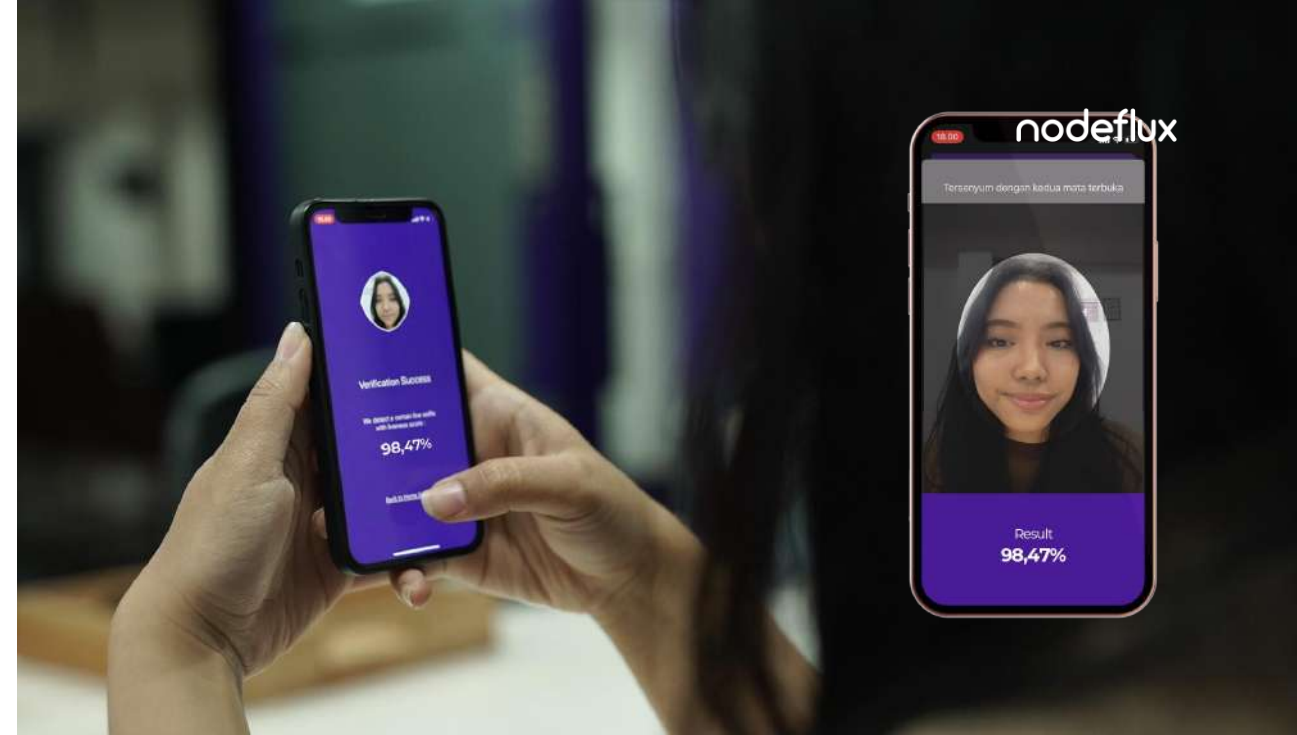
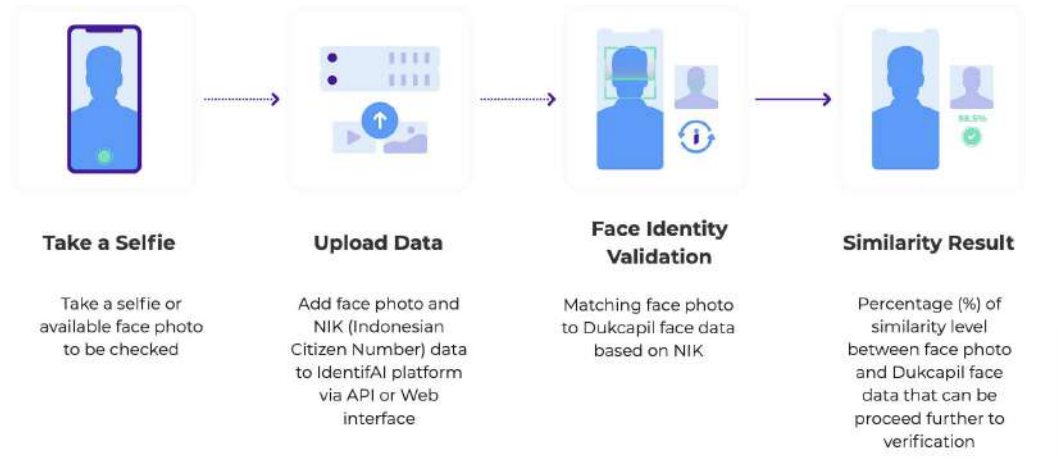
Our Visionaire platform is adaptable to various camera types and brands. No need to change or replace your CCTV, as long as it fits our requirements.

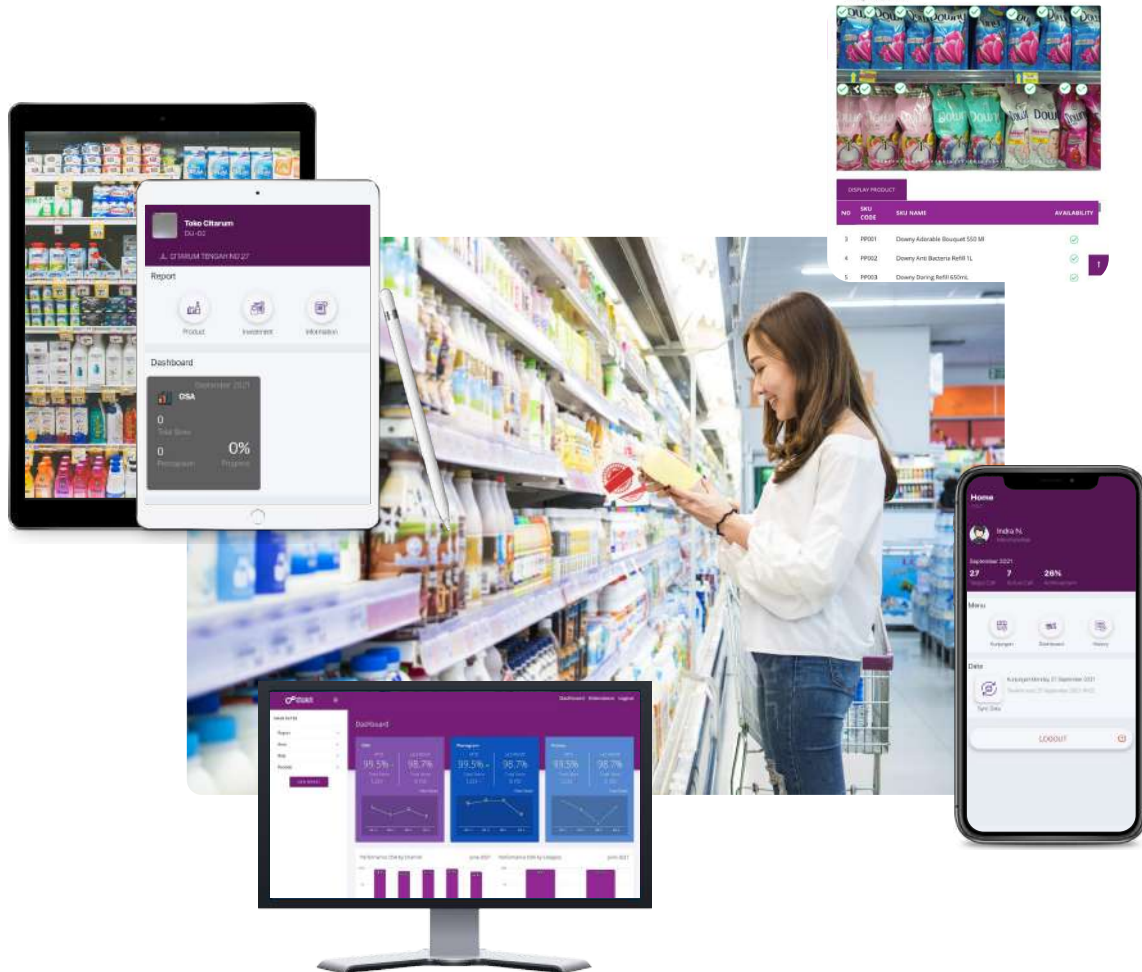
Why Platform Bersama

Trusted Partner for Platform Bersama

Nodeflux has been trusted to be one of the operators for Dukcapil's "Platform Bersama", and was officially chosen by Dukcapil to be the operator of Platform Bersama, which the agreement was initially signed on 31 December 2019.

Nodeflux Dukcapil Validation aims to validate the facial biometric identity of an individual through the National ID Database (Dukcapil).





NO	SKU CODE	SKU NAME	AVAILABILITY
3	PP001	Diaryy Adorable Biscuit 550 ML	✓
4	PP002	Diaryy Aeri Biscuit 400 ML	✓
5	PP003	Diaryy Daring Biskit 500ML	✓



Reliable Service

Data from our Image Recognition result is more accurate to avoid human error with 94-98% accuracy.



Increase Productivity

Our product is able to provide faster on shelf measurement and increase up to 70% store coverage.



Maximize Revenue

With us, you'll be able to understand how your products stock, look, perform, and compete on the shelf.



Seamless Data Upload

We allow you to perform continuous data uploading without operating internet (background sending).

Build. Innovate. Grow.

with **nodeflux**

Nodeflux Catalyst is a partnership platform that allows you to expand your business and grow your AI ecosystem. With our core expertise in Computer Vision AI, Nodeflux Catalyst offers various business models and topologies to excel your existing business process.



Technology & Solution Innovation

Get access to our numerous analytics so you can use VisionAlre to develop products and solutions that will keep your business innovative.



Go-To-Market

By making your solution and product more visible through various marketing initiatives, we can help you increase brand awareness for them. By utilizing our partner ecosystems, we will assist you in reaching clients.



Sales Empowerment

Get sales and technical support from Nodeflux to boost your company. We'll also help you use our co-selling program to share your customers' success stories with a broader audience and our market.

Success Story



High Profile International Event Security

IMF WBG Summit 2018, Asian Games 2018, G20 2022

Nodeflux continuously trusted to provide surveillance system for high profile international event in Indonesia. Nodeflux is one of a few company in the world with this scale of experiences, including realtime auto-search features for massive amount of face data.



“Mudik Idul Fitri” and Christmas & New Year (Nataru) Traffic Monitoring

Facing MUDIK period, Nodeflux was committed to oversee the traffic density and parking slot accessibility in one of the jammed tracks of Cikampek Highways by engineering an aligned artificial system which manages the traffic movements.



Other Security & Surveillance

Mobile Surveillance, Airport Security, Satellite & UAV Imagery, Visitor Management, Immigration, & others



From supporting Cekal tracing in Port and Airport by using Face Recognition system to empower drone with Crowd estimation analytic and object detection by satellite imagery, Nodeflux has been delivering AI based security and surveillance solution in many different use cases.



Success Story

Smart City

Water Level monitoring is the solution to detect levels of water and send the notification when the water level is at a dangerous level.

Road Traffic monitoring is capable to count vehicle and classify it into 4 different classes of vehicle in real time

Trash Monitoring is an analytic to estimate percentage of trash that covers the surface of the river

Plate Base Compliance is an integration between LPR analytic and provincial government vehicle tax data which will enable government to detect every vehicle who has tax vehicle tax arrears by its plate number



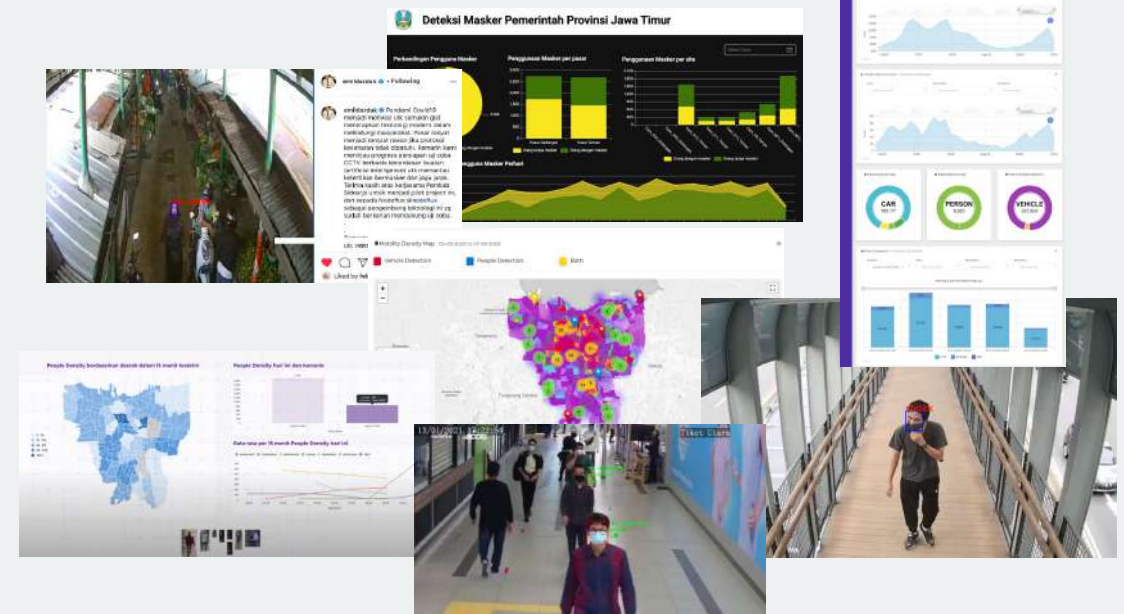
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Covid 19 Related

Public Mobility Monitoring can provide an overview of the movement of the community by counting people and vehicle inside the frame periodically.

Face Mask Monitoring will detect if there are someone who are not using mask or using mask in an improper way.

Distance Monitoring is capable to measure the distance between people and able to give notification if there is 2 or more people with distance less than 1 meter one to another

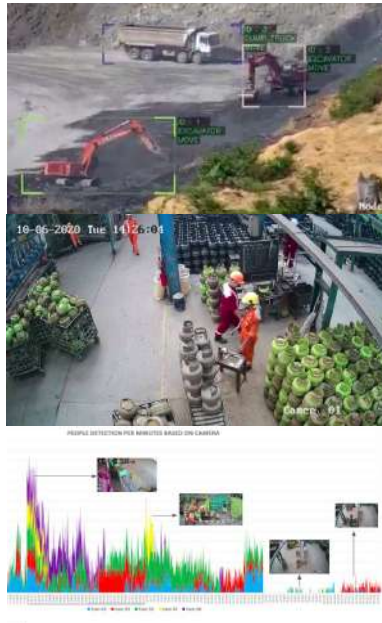


**From Social Assistance, Operations Excellence, Retail Insight, Poultry Monitoring,
To other various kind of implementation possibilities**

“Bantuan Sosial” Verification



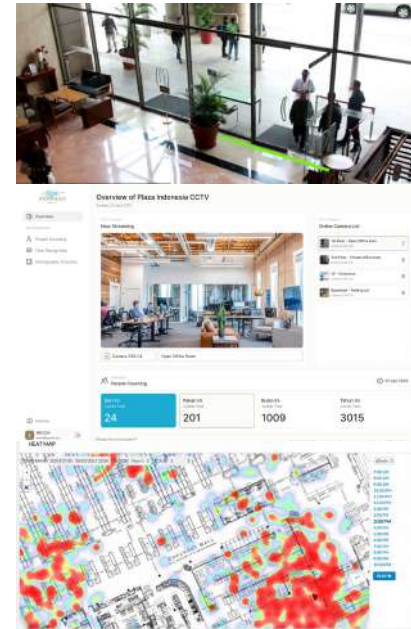
Productivity and Operational Excellence



Visitor Management and Self Check-in System



Retail Visitor Mapping



Poultry Farm Monitoring



What they say

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“Nodeflux help East Java Province Government by implementing Artificial Intelligence, hopefully nodeflux can also increase awareness of tech advancement especially AI in government, community & business ecosystem.”

Emil Elestianto Dardak
Wakil Gubernur Jawa Timur



“As a Vision AI company in Indonesia, services from Nodeflux have the potential to increase efficiency in tax revenue, especially vehicle taxes, and also build a culture of obedience to tax payments for the community.”

Atika Nur Rahmania
Head of DKI Jakarta Communication,
Information, and Statistics Agency



“We believe that Computer Vision technology can accelerate the development process of West Java. We implement road traffic monitoring which allows us to monitor vehicle and community traffic, but also identify people who violate health protocols.”

Setiaji
Head of Communication and
Information West Java



Law Enforcer



Smart City & Other Gov



Enterprise



Technology Partner



Developer Partner



Channel- Distributor Partner



Awards



Featured in National and International Media





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Extending Vision Beyond Imagination

