



COMPANY PROFILE

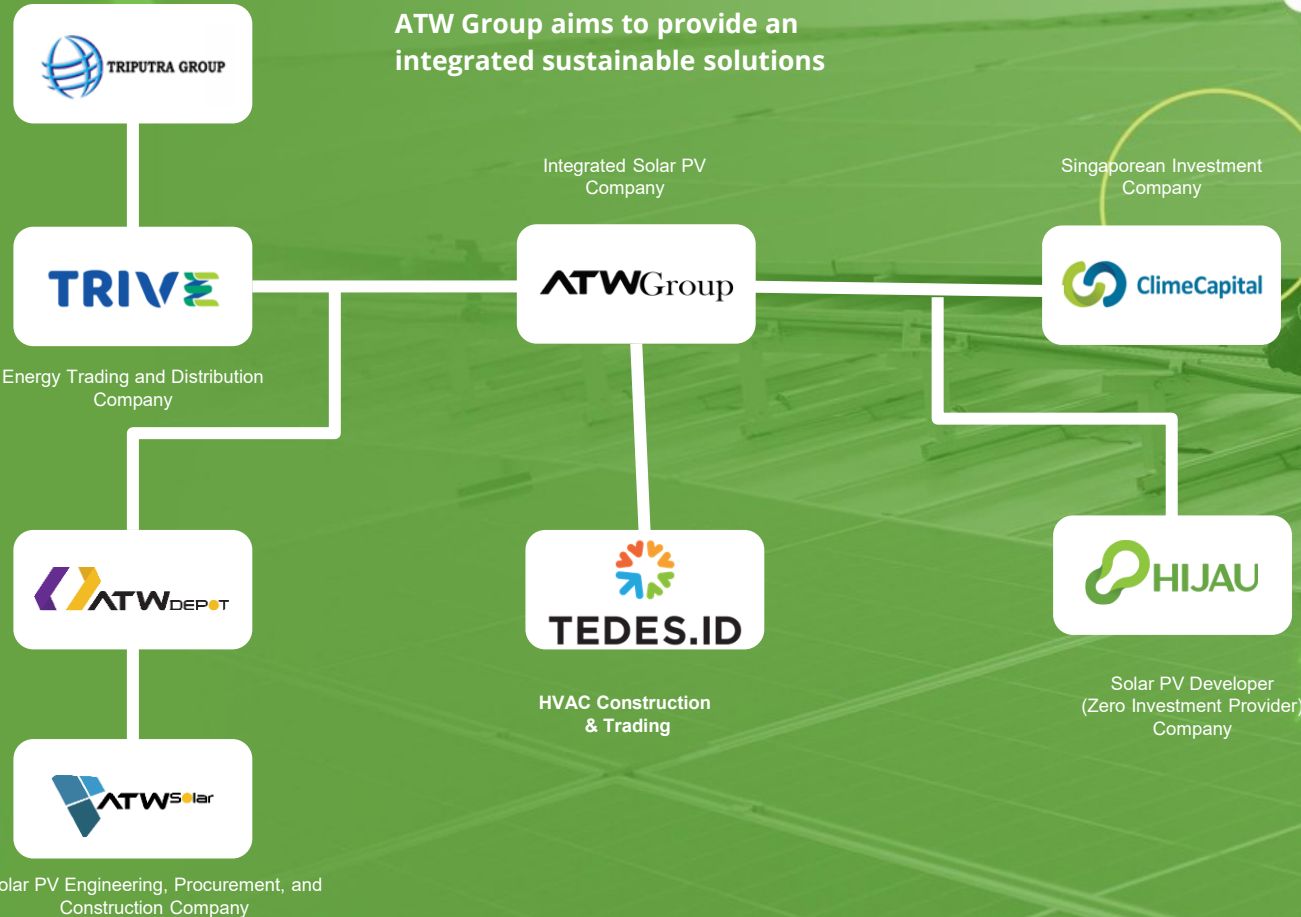
PT Investasi Hijau Selaras (HIJAU)

Green Energy *Without Worry*



Group Structure

ATW Group aims to provide an integrated sustainable solutions



Our Group Products



Direct Purchase

Advantage

- 1 Greater Annual Savings
- 2 Free to dismantle/move assets any time
- 3 No contractual obligations
- 4 Asset ownership

Disadvantage

- 1 Incurring cost for maintenance
- 2 High investment cost
- 3 Need to wait for the Break-Even Point (BEP) to experience investment profits

Rental Scheme

- 1 Zero Investment and maintenance
- 2 Get Free Carbon Credit
- 3 Benefits from savings are realized immediately after the system is operate
- 4 Client will own the asset after the contract period ended

- 1 Bound by a 15-25 year contract
- 2 Assets owned by ATW
- 3 Smaller annual savings
- 4 Asset relocation must be approved by ATW

Company Milestone

HIJAU envisions energy independence for everyone by the power of the sun.

Setting Up (2017)



1. ATW Group officially launched its business.
2. Secured a distributorship for REC*.
3. Formed partnerships with SMK Ma'arif (Djarum Foundation), Politeknik Jember, and Prasetya Mulya University.

Partnership (2019-2020)



1. ATW Group entered the EPC market under ATW Solar.d
2. Market growth surged following regulatory improvements (MoEMR 13/2019)
3. Established a JV partnership with Shizen Energy, a global developer.
4. HIJAU was designated as the local co-developer.

Launched full-fledged operations with a 15 MWp installation under the JV

First Operation (2023)



Company Milestone

Moving forward, HIJAU intend to take part in developing sustainable infrastructure through Cooling-as-a-Service business

1. HIJAU secured its initial round of funding from SEACEF II
2. The company has 4.3 MWp in operation, 12 MWp in development, and a 185.4 MWp pipeline under its independent management.

Engaged in funding partnerships within the rental business with prominent industry players, Launched Cooling-as-a-Service product.

Intends to achieve 70 MWp of solar photovoltaic capacity installation, secured debt funding from SMI and expansion of business lines, including the pilot operation of CaaS.



Seed Capital
(2024)



Continue Expanding
(2025)



Target
(2025)



ATW Group by *Numbers*



+150 MWp

Solar PV Capacity Installed



171,761 tonnes

CO2 emissions reduced annually



390,366 pcs

Trees Planted Equivalence



Case Study



Solar PV Capacity Phase 1 765 kWp



Lippo Mall Cikarang

Sector : Commercial

Overview :

Solar installations for Lippo Cikarang, with Phase 2 in progress and expansion planned for other Lippo Group properties.

Challenges :

Preserving the mall's facade aesthetics while accommodating solar panel installations that avoid disrupting the building's visual appeal.

Solutions :

Designed an installation approach ensuring a tidy, unobtrusive aesthetic that aligns with the commercial building's premium standards.

ATW Group Case Study



Total 3,490 kWp Solar PV



PT CJ Feed & Care

Sector : Livestock Feed

Overview :

Rooftop solar installations across 4 factories in Lampung, Serang, Semarang, and Jombang to reduce carbon emission and achieved savings.

Challenges :

Dusty conditions from livestock machinery emissions required systems designed for durability and consistent performance.

Solutions :

Integrated real-time monitoring systems to ensure optimal performance and minimize the impact of dust accumulation.

ATW Group Case Study



7,144 kWp Solar PV



Battery Factory Karawang

Sector : EV Battery

Overview :

Solar installations for Korean Global EV Battery Factory with over 7 MWp Solar PV capacity including existing canopy.

Challenges :

Adheres to strict HSE standards and operate machines that are highly sensitive to electrical quality and require uninterrupted power supply.

Solutions :

HSE compliance is strictly monitored throughout the execution and the interconnection process is done under 4 hours.

Our Portfolio



TANGERANG



PASSIVE AND ACTIVE COOLING FOR SPECIALTY COFFEE ROASTERY

HIJAU supports the development of a premium specialty coffee roastery by delivering a complete cooling solution for its new processing facility and office. Our scope includes building insulation, ventilation, and high-efficiency cooling systems under the Cooling-as-a-Service (CaaS) model.

HIJAU Provides Green Energy *Without Worry*

HIJAU provides commercial-industrial solar and cooling solutions with priority for



Safety



Engineering



Service

with **zero investment** scheme.



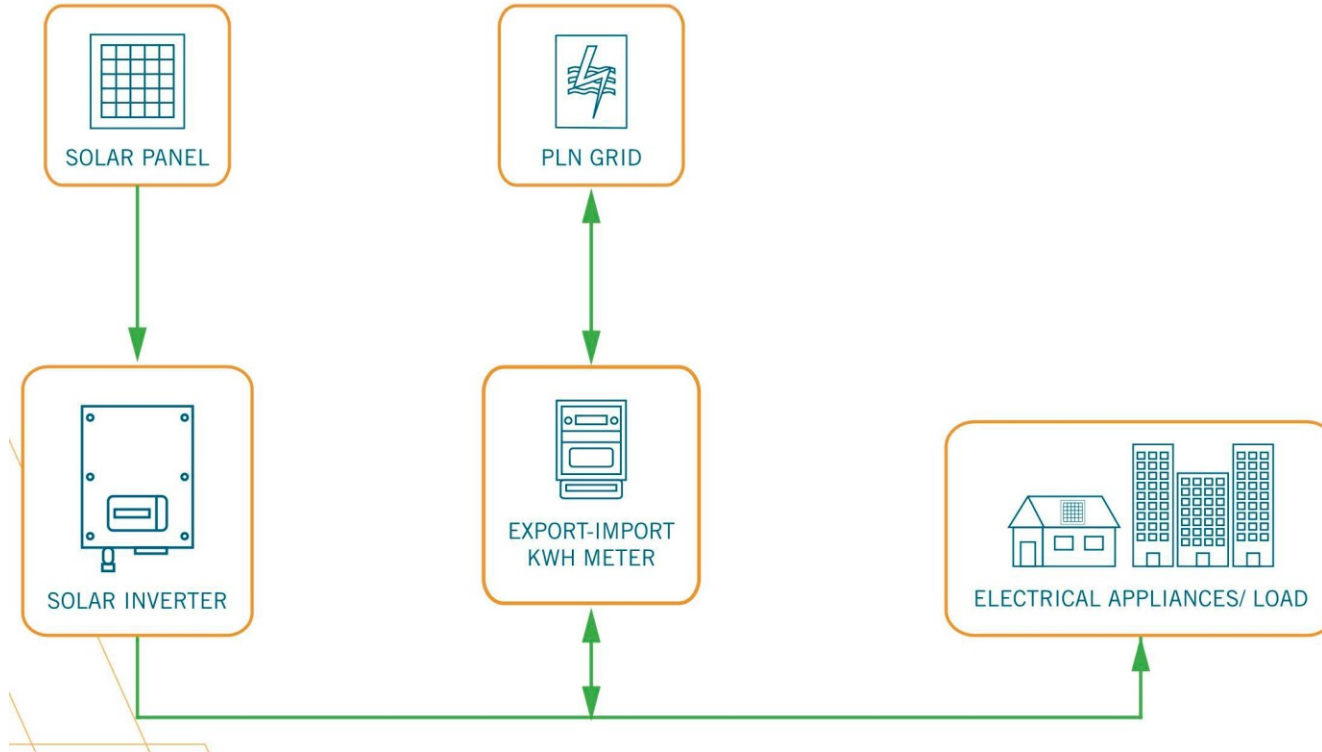
How HIJAU Works :



Complete Solution With Zero Investment



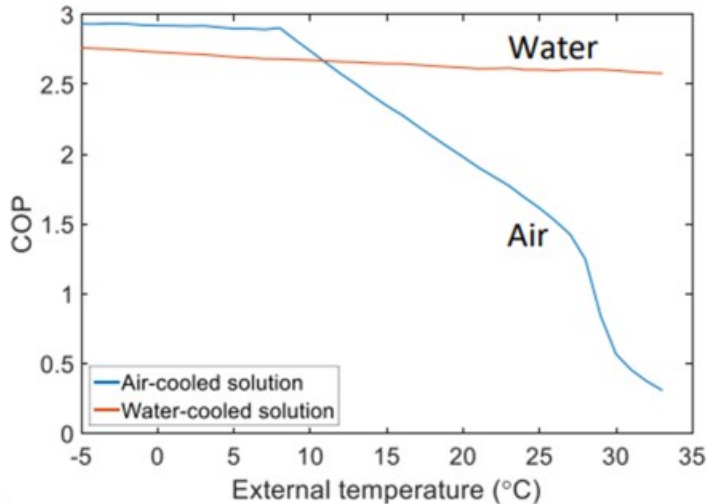
On-Grid PV System



Chiller Technology

Modern chiller technology are more efficient due to the improve heat exchanger design, variable speed drive (VSD), and low GWP refrigerant

**COP Variation at different Load Conditions
Old vs Modern Chillers**

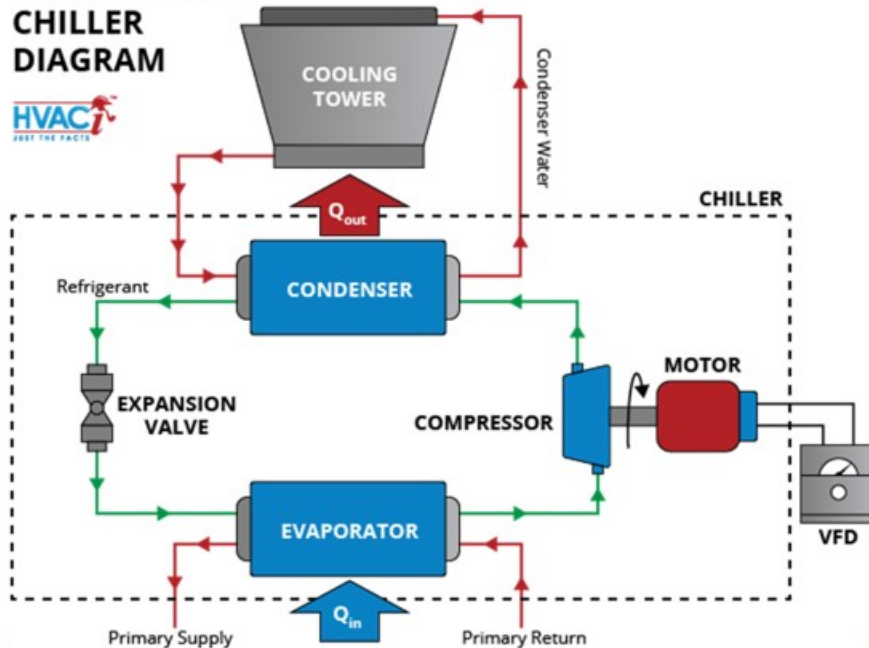


The key features in the latest chiller technology are as follows:

- Implementation of **improved heat exchanger design** leads to higher heat transfer efficiency, extended equipment lifespan, and lower maintenance requirement.
- **Variable-speed drive (VSD)** technology significantly **enhances COP** of chillers compared to constant-speed models.
- Adaptation of **low Global Warming Potential (GWP) refrigerants** provide enhanced energy efficiency and carbon emission reduction.

Water-Cooled Chiller

WATER-COOLED CHILLER DIAGRAM

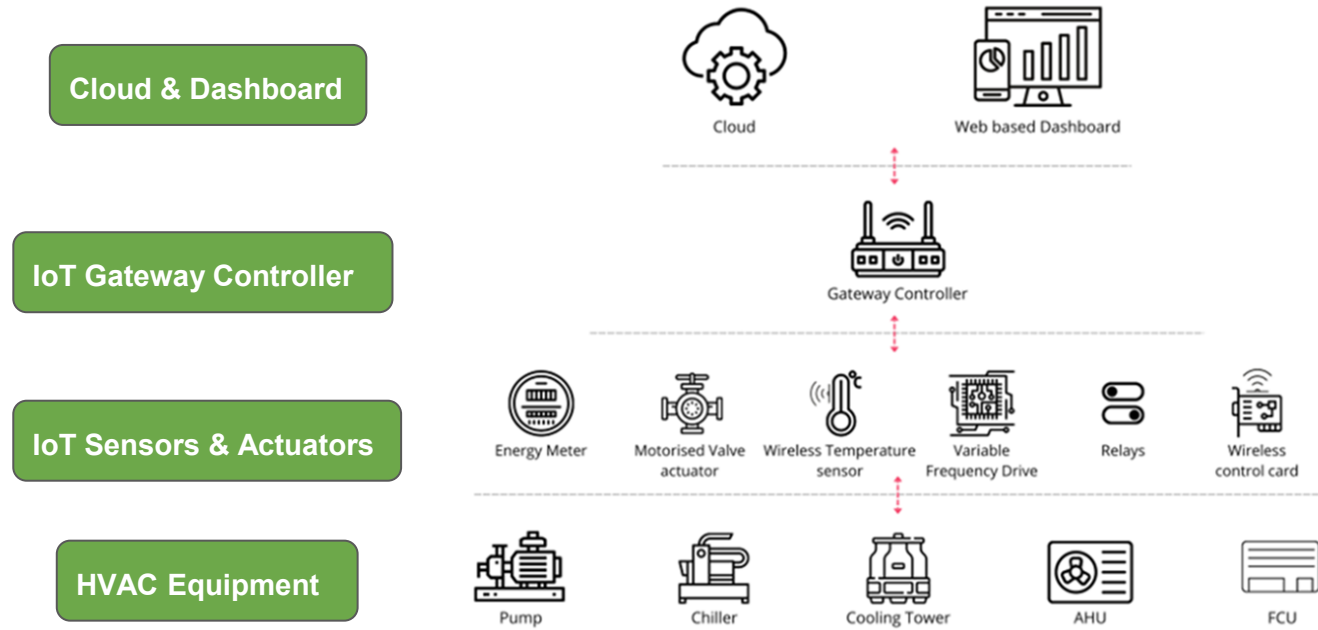


A continuous cooling cycle repeats the following steps:

- Cooling Demand Initiation
- Heat Absorption in the Evaporator
- Compression and Heat Transfer
- Heat Rejection in the Cooling Tower
- Refrigerant Expansion and Recirculation

IoT-integrated system

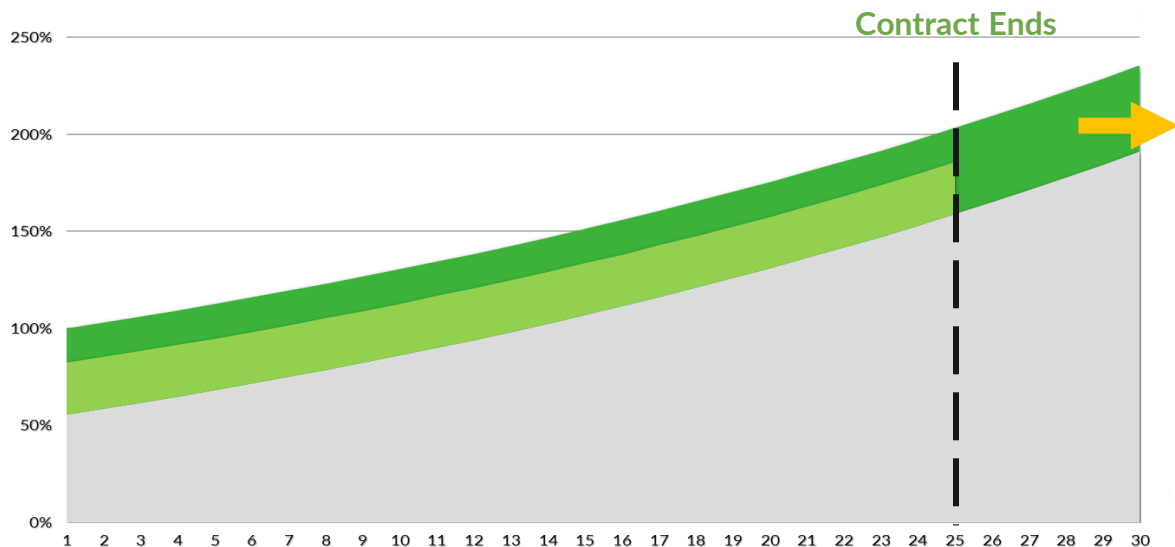
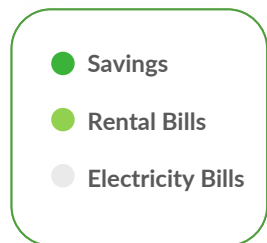
An AI-driven IoT monitoring system will be implemented for real-time performance tracking, predictive maintenance, and intelligent optimization.



Smart sensors collect and transmit data to a cloud-based platform, where AI continuously **analyzes system performance, predicts potential failures, and detects anomalies** before disruptions occur. This **AI-integrated IoT** system improves operational efficiency, extends equipment lifespan, and reduces energy consumption.

Financial Excellence :

Saving from day one, more saving after agreement ends.



Engineering Excellence : International Standards, Expertise, and Certifications



With over 35 MWp of photovoltaic installations and engineers **with 10+ years of PV experience**, and backed by **professional certifications**, our team ensures the highest standards in every project.



Engineering

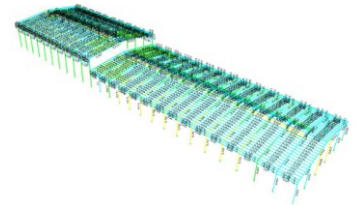
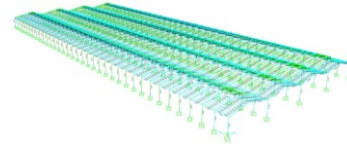
Design Excellence

Tailored design based on site condition that also make sure that the system is reliable



Structural Integrity Assessment

We ensure our clients' structures are **robust enough** to support the solar PV system by conducting **thorough simulations and evaluations**.



Safety Excellence :

Minimizing Risks in Installation & Maintenance



Our system adheres to HSE and compliance standards to minimize incidents and client asset damage during both installation and operational maintenance.



Safety



Double Protection System

Double breaker protection system before interconnecting the PV system to the client's system.



HDG Walkway

Ensures all PV panels are accessible through a durable, anti-corrosive walkway, eliminating the need to step directly on the roof, which reduces the risk of leakage.



Long Safety Line

We are using long safety lines on each roof that installed PV to prevent people from falling while maintenance

Service Excellence : Ensuring Protection for All Stakeholders



We prioritize the security and satisfaction of all stakeholders by ensuring these points :



Service



Performance Guarantee

We stand by the performance of our solar PV systems, guaranteeing their reliability. If our systems fall short of the promised performance, we take full responsibility, even compensating our clients if necessary.



Insurance

We are safeguarding all of our solar PV assets with an all-risk insurance, ensuring reliability and peace of mind for all stakeholders.

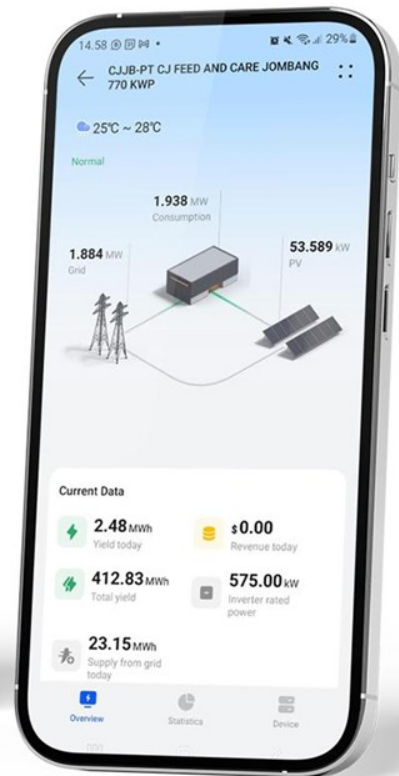


Government Compliance

Our system is designed to ensuring compliance at every stage. By strictly following these regulations, we minimize risks, protect all stakeholder assets, and maintain operational reliability.



We ensure *precise and real-time* data on energy yield, carbon reduction, and alarms. This monitoring can be accessed from *website and mobile app*.



Supervisory Board



Antonius Weno

Founder/President Commissioner

More than 25 years experience in business operations, financial management, and risk management across various industries, including banking and real sectors.

Held positions as President Commissioner of PT Buana Finance Tbk, VP Business Development of Mizuho Bank, Director of Astra Sedaya Finance, Director of Atlas Resources, and CEO of Yarra Group.

Universitas Wijayakusuma,
BSc in Economics



John Colombo

Country Manager, Clime Capital Management

More than 14 years of professional experience in the fields of renewable energy and mobility sectors.

Held positions as Country Director for Asia Power Development Platform (APDP) and Head of Public Policy and Government Affairs for Uber.

University of Minnesota,
BS in Economics



Board of Director

More than 10 years experience in business development and sales leadership in the solar PV industry, securing major deals and leading operations across various markets. Demonstrated success in securing significant deals, driving technical and commercial negotiations, and leading strategic partnerships with global companies.

Held positions as Country Director for Indonesia and Vietnam, REC Singapore

KTH Stockholm, TU Eindhoven, MSc in Sustainable Energy;
ITB, BSc in Engineering Physics



Thio Ariyanto

Operational Director

More than 8 years experience in solar sales, engineering, and project management. Proven experience in leading large-scale projects, feasibility studies, and asset management

Held position as senior sales and project manager in Syntek Solar.

TU Delft, MSc in Sustainable Energy;
ITB, BSc in Engineering Physics

Victor Samuel

President Director




Contact Us

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12160



A woman wearing a green hijab and a man wearing glasses, both in white lab coats and white hard hats with the HIJAU logo, are looking at a tablet together in a server room. The man is pointing at the screen while the woman holds the tablet. The background shows rows of server racks.

Thank You!
