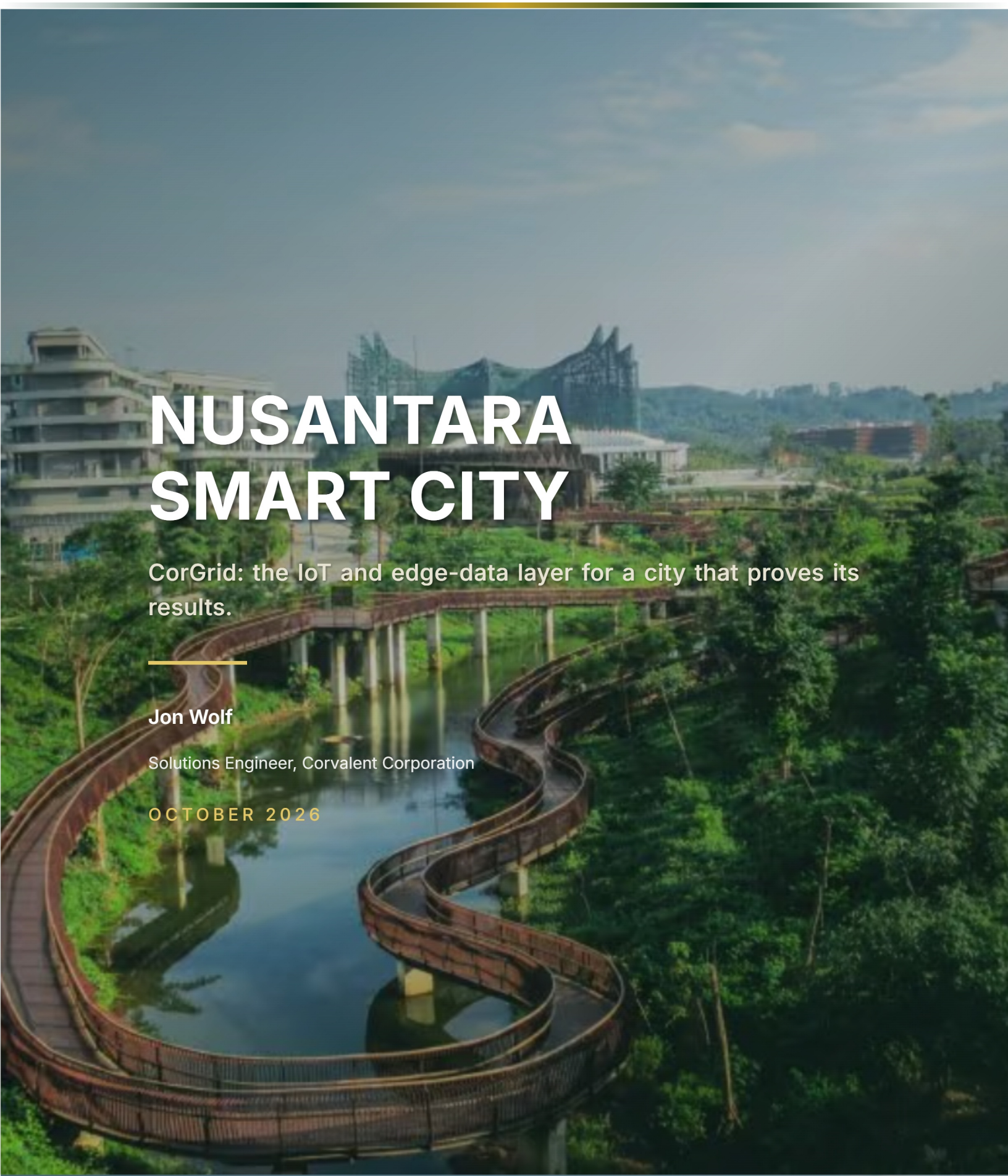
CORVALENT | ASEC-H



NUSANTARA SMART CITY

CorGrid: the IoT and edge-data layer for a city that proves its results.

Jon Wolf

Solutions Engineer, Corvalent Corporation

OCTOBER 2026

Letter of Introduction

October 2026

To

Ms. Erike Malonda

Founder & CEO, ASECH Indonesia

Dear Ms. Malonda,

I am Jon Wolf, from the Solutions Engineering team at Corvalent. Following our conversation about the smart city effort underway in Nusantara, Indonesia's new capital, I am sharing this material to introduce Corvalent and our CorGrid® platform to you and, through you, to the broader Nusantara ecosystem.

Nusantara already has meaningful smart city foundations in place: a command center, upstream river and forest-fire sensors, and a citizen-facing app, reinforced by a US-backed pilot command center and a US-funded technical assistance program signed in February 2026. CorGrid is not presented here as a replacement for any of this work, but as a complementary, interoperable IoT and edge-data layer that can feed richer, real-time information into what is already being built.

This material is presented to give you preparation for a call between our team and yours to align on priorities and planning.

We believe Nusantara, as a forest city built from the ground up, has a unique opportunity to become a global reference in how an interoperable data layer can support early warning, environmental stewardship and efficient public administration from day one.

Sincerely,

Jon Wolf

Solutions Engineer

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A Capital Being Built With Smart Foundations

03

Nusantara, Indonesia's new capital under construction in East Kalimantan, is being designed from the ground up as a forest city and a smart city. Its blueprint already anchors a command center for coordinated operations, upstream river sensors for flood early warning, forest-fire sensors protecting the surrounding landscape, and a citizen-facing mobile app connecting residents to city services.

These foundations have been reinforced by international support: a US-backed pilot command center and a US-funded technical assistance program, strengthening the operational and digital backbone of the new capital. A stakeholders forum later brought together government, technical and development partners to align on the next phase of the smart city agenda.

ASECH Indonesia takes part in a consortium supporting the Nusantara Capital Authority's (OIKN) planning work. From this vantage point, ASECH identified an opportunity for a complementary IoT and edge-data layer, one that feeds the systems already being built, rather than competing with or replacing them.

Command Center
US-backed pilot command center for coordinated city operations

Feb 2026
US-funded technical assistance program signed with Nusantara

1 Sep 2026
Stakeholders forum on the next phase of the smart city agenda

SOURCES:

Nusantara Capital Authority (OIKN) public communications; official and press coverage of the smart city blueprint, command center, sensor programs, citizen app, technical assistance program and stakeholders forum.

CorGrid: An Interoperable IoT and Edge-Data Layer

04

Corvalent is a global company specializing in IoT, asset digitalization and intelligent infrastructure management. Our CorGrid® platform connects sensors, equipment and management systems into a single, unified interface, turning scattered data streams into continuous, actionable visibility.

Large technology vendors are already active around Nusantara's command center. CorGrid is not positioned to replace that work. It is designed as a complementary layer: an interoperable IoT and edge-data fabric that feeds the command center and other existing systems with richer, real-time ground-truth data, from rivers and forests to buildings, energy assets and infrastructure.

This complementary posture matters for a forest capital like Nusantara, where early warning, environmental monitoring and infrastructure health depend on dense, reliable sensor coverage feeding into a common, interoperable data layer rather than siloed, single-vendor systems. Our approach is consultive and modular: we start where it makes the most sense for Nusantara's current phase, and scale progressively as priorities evolve.



Corvalent headquarters, Cedar Park, Texas

Nine Fronts Built for a Forest City

01 Early Warning: Floods, Fires & Weather

Upstream river sensors, forest-fire detection and weather data feeding a unified early-warning layer that complements the command center.

02 Environmental & Forest Monitoring

Continuous monitoring of air quality, water quality and forest cover indicators across the capital's protected landscape.

03 Energy & Renewable Assets

Visibility into renewable generation, grid assets and consumption patterns to support a low-carbon capital.

04 Infrastructure & Asset Health

Condition monitoring for bridges, roads and critical infrastructure, enabling maintenance before failure.

05 Smart Buildings

Environmental and utility monitoring for government and public buildings, improving comfort and reducing waste.

06 Water Management

Monitoring of water supply, distribution and quality to support safe, reliable access across the new capital.

07 Smart Lighting

Adaptive public lighting that improves safety and reduces energy consumption across streets and public spaces.

08 Waste Management

Data-driven collection routing and fill-level monitoring to keep the new capital clean and efficient from day one.

09 Mobility

Traffic and mobility sensing feeding the citizen app and city operations, supporting a people-first transport network.

Public Value Framework & Standards Alignment

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Economy:
Lower cost of acquiring and operating sensing and data infrastructure, by using an interoperable layer instead of multiple siloed, single-purpose systems.

Efficiency:
More output per unit of resource: faster detection, fewer manual inspections, and automated data flows that reduce staff time spent reconciling information.

Efficacy:
Whether the intended outcome is actually achieved, for example floods and fires detected early enough to act, assets maintained before they fail.

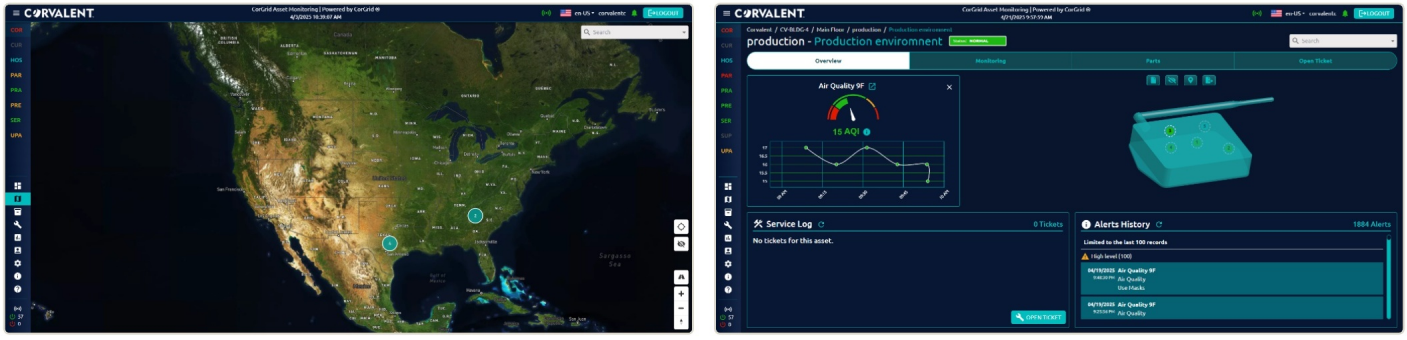
Effectiveness:
Whether outcomes translate into real public value over time: resilience, trust, safety and quality of life for residents of the new capital.

International Standards:
Indonesia's government data and e-government frameworks, the Personal Data Protection Law, and Indonesia's national adoption of ISO 37120 (city services & quality of life) and ISO 37122 (smart city indicators).

SDG Alignment:
The nine solution fronts map to multiple UN Sustainable Development Goals, including SDG 11, SDG 13, SDG 15, SDG 9 and SDG 6.

ARCHITECTURE:

Edge computing, IoT sensor networks, privacy-by-design (no facial recognition), interoperable APIs, CorGrid® analytics and dashboards.



CorGrid® platform: asset monitoring map and real-time sensor dashboard

Transparency Statement

SECTION 5: TO REMAIN PROMINENT AND UNALTERED

ASECH Indonesia takes part in a consortium that supports the Nusantara Capital Authority's (OIKN) planning work, including the preparation of procurement documents. This statement clarifies that the relationship between ASECH and Corvalent is exploratory in nature at this stage: no party involved influences technical specifications on behalf of any vendor, and any future engagement between Corvalent and Nusantara-related entities will follow applicable anti-corruption law and a fair, competitive procurement process.

This disclosure is included specifically to make the nature of the relationship clear to anyone reading this material, and it is intended to remain prominent and unaltered in every version of this landing page.

Applicable insight: *no facial recognition appears anywhere in this material or in any proposed CorGrid deployment; any video analytics referenced elsewhere in this document are optional and described in generic terms only. Corvalent does not claim to "certify" cities or guarantee results. All outcome language in this material is supported by evidence, and nothing here implies endorsement or participation by any government, development agency or other vendor.*

Direct and Indirect Benefits

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DIRECT BENEFITS, MEASURED INSIDE THE ADMINISTRATION

Faster Detection & Response

Earlier warning for floods, fires and infrastructure risks, measured in lead time gained for response teams.

Operational Efficiency

Fewer manual inspections and reconciliations, freeing staff time for higher-value work across city functions.

Asset Longevity

Condition-based maintenance for infrastructure and buildings, extending useful life and reducing emergency repairs.

Investor & Partner Confidence

A transparent, interoperable data foundation strengthens confidence for investors and development partners evaluating Nusantara.

ESG Reporting & Local Capability

Structured environmental data supports credible ESG reporting, while deployment and operation build local technical capability and jobs.

Citizen Experience & AI-Readiness

Better-informed city services for residents today, and a reliable data foundation to support AI-driven city management tomorrow.

Beyond direct operational gains, this data foundation positions Nusantara as a reference for how a new capital can build resilience, transparency and citizen trust from its very first systems: benefits that extend to regional replication as other Indonesian smart city programs look to Nusantara's experience once results are evidenced.

Benefits for People, by Government Function

09

Each of the nine solution fronts ultimately exists to deliver a benefit that residents of Nusantara can feel directly, from the safety of an early flood or fire warning, to the reliability of water and power, to streets that are lit, clean and easy to move through.

The source material maps these benefits across government functions (public safety and disaster management, environment and forestry, public works and infrastructure, utilities, housing and buildings, and transport) against the people who experience them day to day, using indicators drawn from ISO 37120 and ISO 37122.

> ***Applicable insight:*** *Nusantara can start with a focused pilot on the front of highest current priority, for instance early warning for floods and fires, validating value and refining the model with evidence before expanding across the remaining fronts.*

SOURCES (SECTION 16):

All dates, amounts and names used in this material come from official Nusantara Capital Authority (OIKN) communications and press sources.

Discovery Business Call: Suggested Agenda

We believe the convergence between a forest capital built from scratch and an interoperable IoT and edge-data layer represents a unique opportunity for Nusantara to become a global reference in resilience, transparency and public value.

01 **Context & introductions**: Corvalent, CorGrid, ASECH Indonesia and the Nusantara ecosystem.

02 **Needs & priorities**: which of the nine fronts matter most right now for Nusantara's current phase.

03 **Stakeholder mapping**: OIKN, technical assistance partners, and other relevant stakeholders.

04 **Funding & procurement paths**: how a future engagement could be structured and funded, consistent with a fair, competitive process.

05 **Next steps**: scope for a full proposal and proposed timeline.

When can Ms. Erike Malonda and team join an alignment call in the coming weeks?

Jon Wolf

Solutions Engineer

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