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SIEMENS

THAIRATH  
GROUP

# DECARBONIZE THAILAND SYMPOSIUM 2025

## DECARBONIZATION DEEP-DIVE

### FROM TRENDS TO SOLUTIONS

เจาะลึกเส้นทางสู่อนาคตที่ยั่งยืน จากเทรนด์สู่โซลูชัน

## SUMMARY REPORT



**Dear Friends, Partners, and Changemakers,**

Thank you for being part of the Decarbonize Thailand Symposium 2025 - a day defined not only by powerful dialogue but by the collective will to act.

Hosted by True Digital Park and New Energy Nexus Thailand, this year's gathering carried the theme **"From Trends to Solutions"**, underscoring our shared urgency to turn climate ambition into implementation. What set this symposium apart was the richness of perspectives, from corporate sustainability leaders to startup founders and technology innovators. Conversations ranged from AI-powered decarbonization tools and climate finance to supply chain transformation and the legal reforms reshaping our carbon future.

This report captures the insights, takeaways, and energy of the day. We extend special thanks to our ecosystem partner **CDx (Southeast Asia Corporate Decarbonization Exchange)** for developing the full session summaries and this publication, ensuring the momentum of DTS 2025 lives on.

Let's continue to move forward boldly, collaboratively, and with purpose.

With appreciation,

**True Digital Park**  
**New Energy Nexus Thailand**





# Overview of the Decarbonize Thailand Symposium 2025

On 20 May 2025, over 600 stakeholders from across the globe gathered at True Digital Park in Bangkok for the third annual Decarbonize Thailand Symposium. Co-hosted by **True Digital Park** and **New Energy Nexus Thailand**, the one-day event convened changemakers from the public sector, private enterprise, startups, and financial institutions to explore actionable strategies for reaching Thailand's net-zero goals.

With the theme “**Decarbonization Deep Dive: From Trends to Solutions**,” DTS 2025 shifted the focus from ambition to implementation. The symposium's 16 sessions spanned critical issues, ranging from legal and policy reform to green finance, urban resilience, supply chain engagement, and the transformative potential of AI and digital tools.

#oe6957



A defining feature of the event was the **Climate Tech Startup Showcase**, featuring over 30 startups presenting innovations across e-mobility, agritech, clean energy, circular economy, and carbon tracking. These ventures exemplified the entrepreneurial momentum driving scalable decarbonization solutions throughout the region.

Structured for cross-sector dialogue and outcome-oriented exchange, DTS 2025 provided a venue for meaningful partnerships, knowledge-sharing, and new coalitions; all in service of accelerating Southeast Asia's climate transition.

This report consolidates the key themes, expert insights, new innovations, and session summaries, providing a reference and call to action for all who joined and those ready to engage further.

## Impact at a Glance

600+

Attendees

20

Expert Speakers and  
Panelists

16

Sessions

5

Key Focus Sectors

30+

Climate Tech Startups

This year's event stood out for the level of engagement from participants, including government and industry representatives eager to explore pathways for sustainable infrastructure and transformation.

- 600+ attendees from public, private, startup, and finance sectors
- 20 expert speakers and panelists across government, business, and innovation
- 16 sessions covering climate policy, financing, legal reform, supply chains, AI, urban resilience, and more
- 30+ climate tech startups showcased in energy, mobility, agriculture, built environment, and digital solutions
- 5 key focus sectors: E-Mobility, Decarbonization, Agritech, Energy, and Built Environment





## Voices of DTS

Throughout the Decarbonize Thailand Symposium 2025, **bold insights and powerful perspectives** echoed across the room, reminding us that climate action is as much about people as it is about policy and technology. Here are just a few of the standout voices that captured the spirit and urgency of the day:



*"More important than progress is whether we're heading in the right direction. Solving problems in a siloed, piecemeal manner will not create change. All sectors must collaborate to address this issue."*

– Boonrod Yaowapruek, The Creagy



*"We need to stop being just host countries for other people's production. We must build capacity, upskill talent, and co-own the clean energy opportunity."*

– Tisha-Nok Krecke, Agora Energiewende



*"Startups are crucial for decarbonization and necessary, but we're running late. Given recent earthquakes, floods, droughts, and impacts from global warming, the situation has become critical."*

– Pariwat Wongsamran,  
National Innovation Agency



*"The city belongs to everyone – let's think together and work together. We must work with the citizens to make the city move forward."*

– Assoc. Prof. Rawee Hanpachern,  
KKTT Social Enterprise



*"The impacts of global warming affect people's quality of life, not just the business sector."*

– Dr. Jirawat Panpiemras,  
Bangkok Bank

# Key Themes and Strategic Takeaways from DTS

Across 16 sessions and more than 30 expert voices, the Decarbonize Thailand Symposium 2025 illuminated the path from climate ambition to action. Eight strategic themes emerged from discussions that reflect the collective priorities, challenges, and opportunities for accelerating Thailand's net-zero transition:

## 1. From Ambition to Execution

While climate targets have been set, **implementation remains the bottleneck**. Whether through corporate roadmaps, city planning, or national legislation, speakers emphasized the need for **credible, time-bound strategies** that move beyond pledges to tangible outcomes.

## 2. Policy as a Platform for Progress

From Thailand's upcoming Climate Change Act to sector-specific regulations, **policy frameworks are catching up to climate urgency**. Legal reform and government action (especially in taxation, incentives, and carbon market mechanisms) are essential to unlock systemic change.

## 3. Finance Must Flow

Transition finance is growing, but not fast enough. Banks and investors called for **more blended capital models, de-risking mechanisms for green projects, and policy frameworks that reward early movers**, especially SMEs and value chain partners.

## 4. SMEs at the Center

90% of Thai businesses are classified as SMEs, and inclusive decarbonization is impossible without them. The call to action: simplify tools, scale access to data and training, and build platforms that enable small players to participate meaningfully in the green transition.



# Key Themes and Strategic Takeaways from DTS

## 5. Climate Tech Scaling Up

Over 30 startups showcased technologies ranging from AI-driven emissions monitoring to regenerative agriculture and energy optimization. Their presence affirmed that **homegrown and international innovation are not future solutions; they're market-ready options now.**

## 6. Regenerative Cities and Urban Leadership

Urban areas are embracing sustainability through digital infrastructure, public-private partnerships, and citizen engagement. From Pattaya to Khon Kaen, **cities are becoming critical testing grounds for climate resilience.**

## 7. Collaboration Over Competition

Loud and clear across all sectors: **Decarbonization is a shared challenge that demands shared solutions and coordination.** We need to break the silo way of working between ministries, industries, and countries in the region.

## 8. Transparency Builds Trust

As greenwashing concerns grow, **trust hinges on data.** Whether reporting ESG metrics, engaging supply chains, or participating in carbon markets, businesses must commit to **transparency, verification, and stakeholder accountability.**

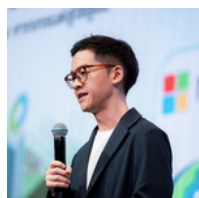
# Climate Tech Startup Showcase

A standout feature of the Decarbonize Thailand Symposium 2025 was the Climate Tech Startup Showcase, where cutting-edge startups presented bold, scalable solutions addressing Southeast Asia's most pressing climate challenges. These ventures represented five strategic sectors: **Agritech, Built Environment, Renewable Energy, Transportation, and Decarbonization Technologies.**

From AI-powered emissions tracking and circular economy packaging to advanced geothermal energy and sustainable beef production, each startup demonstrated how innovation and entrepreneurship are essential engines of decarbonization.

The showcase was more than a pitch stage; it **served as a critical platform for visibility, connection, and collaboration.** Investors, corporates, and ecosystem leaders engaged with founders to explore partnerships that can help bring these solutions to scale.

Featured startups included:



**VEKIN**

[vekin.tech](https://vekin.tech)



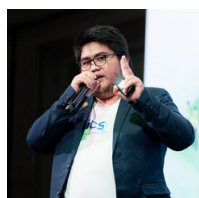
**TEC KRESNA**

[kresnaglobalminera.com](https://kresnaglobalminera.com)



**ASUENE**

[asuene.com/apac](https://asuene.com/apac)



**iCreativeSystems**

[icsco.ai](https://icsco.ai)



**Inno Green Tech**

[innogreentechglobal.com](https://innogreentechglobal.com)



**Ascend Bit Company**

[ascendbit.com](https://ascendbit.com)



**Carbonwize**

[carbonwize.io](https://carbonwize.io)



**Helical Fusion**

[helicalfusion.com](https://helicalfusion.com)



**AIMOVE - Tara Project**

<https://www.facebook.com/people/Aimove-Platform/100086080067581/>



**P-DICTOR**

[p-dictor.com](https://p-dictor.com)



**Arbon**

[linkedin.com/company/arbon-green-solutions](https://linkedin.com/company/arbon-green-solutions)



**AltoTech**

<https://altotech.ai/>



# Climate Tech Startup Showcase



**TBM Co.**

[tb-m.com](https://tb-m.com)



**GRST (Green, Renewable and Sustainable Technology)**

[grst.com](https://grst.com)



**One Ten Plus**

[onetenplus.com](https://onetenplus.com)



**GeoAgni**

[geoagni.com](https://geoagni.com)



**LivNSense**

[livnsense.com](https://livnsense.com)



**Eigen Energy**

[eigen.energy](https://eigen.energy)



**Wongphai**

[wongphai.com](https://wongphai.com)



**Nano Coating Tech**

[nanocoatingtech.co.th](https://nanocoatingtech.co.th)



**Carnofleet**

[carnofleet.com](https://carnofleet.com)



**Transitry**

[transitry.com](https://transitry.com)



**Local**

[localbeef.com](https://localbeef.com)



**Alive Loop**

[aliveloop.com](https://aliveloop.com)



**Towing**

[towing.co.jp](https://towing.co.jp)



**TIE Smart Solution**

[tie-smart.co.th](https://tie-smart.co.th)



**Enable Earth Co**

[enable.earth](https://enable.earth)



**Spiro Carbon**

[spirocarbon.com](https://spirocarbon.com)



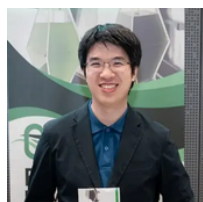
**CONTINEWM**

[continewm.com](https://continewm.com)



**Chosen Digital**

[chosen.co.th](https://chosen.co.th)



**Algae Deep Tech**

[algaedeep.tech](https://algaedeep.tech)



**Gigawatt**

[www.gigawatt.co.th](https://www.gigawatt.co.th)



**Recursive**

[recursiveai.co.jp](https://recursiveai.co.jp)

## Sponsors, Partners and Endorsing Organizations

The Decarbonize Thailand Symposium 2025 was made possible through the generous support of sponsors and the deep collaboration of ecosystem partners committed to accelerating climate action and sustainable innovation across Thailand and Southeast Asia.

Their contributions helped create a high-impact, cross-sector platform for meaningful exchange; fostering new ideas, partnerships, and commitments that will shape the region's decarbonization pathway.

### Sponsors

These visionary organizations provided critical support to make DTS 2025 a success:



### Ecosystem Partners



A special thank you to **CDx**, an ecosystem partner of DTS 2025, for leading the development of all session summaries and producing this post-event report. CDx plays a critical role in equipping Southeast Asia's corporates and SMEs with credible, inclusive decarbonization pathways through knowledge sharing, training, and strategic support.



# Capture the moment



# Stay Connected!

DTS 2025 may have wrapped, but the work continues - and so does the community. Here's how you can stay connected and keep the momentum going:



## New Energy Nexus

New Energy Nexus is building the ecosystem for climate tech innovation across Southeast Asia and beyond.

Explore *their programs and impact*: [New Energy Nexus](#)



## Climate Tech Club

Climate Tech Club is an innovative network committed to addressing today's environmental challenges, with a focus on renewable energy solutions.

Discover *this dynamic community and learn more*: [Climate Tech Club](#)



## True Digital Park

Southeast Asia's largest tech and startup hub, True Digital Park brings together startups, corporates, researchers, and more to drive sustainable transformation.

Explore *their services and join the community*: [True Digital Park](#)



## Southeast Asia Corporate Decarbonization Exchange (CDx)

CDx empowers leaders and organizations with the tools, insights, and networks needed to drive impactful corporate decarbonization.

Learn *what steps your company needs to take to decarbonize*: [CDx](#)





# Appendix - Session Summaries:

## 1. Thailand's Decarbonization Policy - Progress, Challenges, and Opportunities

Thailand is moving forward with its ambitious NDC 3.0 roadmap, targeting a 60% reduction in greenhouse gas emissions with expanded adoption of renewables, hydrogen, and energy storage. Yet, much of the progress remains rooted in voluntary action - with legal frameworks and financial incentives still catching up.

**Chomphoo Kaewprasert**, from the **Department of Climate Change and Environment**, emphasized the gap between plans and implementation. Key instruments like the draft Climate Change Act and emerging carbon tax are in motion, aiming to create enforceable standards and stimulate behavioral change across sectors.

**Jirawat Panpiemras** of **Bangkok Bank** was clear: market forces are moving, regardless of political headwinds. But without government-backed incentives, risk remains too high for banks to fully fund green business transitions. Consumer adoption is slow, with few financial or regulatory nudges to drive demand for low-carbon products.

**Pariwat Wongsamran** of the **National Innovation Agency** stressed the urgency of supporting Thai startups. Technology is essential to reduce emissions, yet Thailand lags as a producer of clean energy solutions. Building an ecosystem for innovation requires coordinated policy, market readiness, and financial sector engagement.

### Key Takeaways

- Climate goals are ambitious but require enforceable laws to go beyond voluntary participation.
- Incentives, both rewards and penalties, are needed to make decarbonization viable for consumers, corporates, and financiers.
- Thailand's startup sector must be empowered with technology, investment, and scale to drive clean energy innovation.

*"The impacts of global warming affect people's quality of life, not just the business sector."*  
– Mr. Pariwat Wongsamran.

# Appendix - Session Summaries:

## 2. CP Group's Decarbonization Roadmap - Strategies for a Sustainable Future

**Dr. Teerapon Tanomsakyut**, Chief Sustainability Officer of **Charoen Pokphand Group Co.,Ltd.**, and Mrs. **Siriporn Dechsingha**, Chief Sustainability and Corporate Communications Officer of **CP AXTRA**, shared how one of Thailand's largest conglomerates is aligning business success with climate leadership.

With trust in big corporations under pressure, CP Group sees sustainability as a business imperative—anchored by a strong governance framework and bold action across Scopes 1, 2, and 3.

**CP Group target:** Net Zero across all companies by 2050

Circular Economy goals: zero waste across key value chains by 2030

CP Axtra aims to cut Scope 1 & 2 emissions by 42% and Scope 3 by 25% by 2030

From solar rooftops on nearly all retail branches to EV fleets to supply chain decarbonization tools, CP is not only walking the talk, but also offering support to partners and SMEs with shared goals.

Sustainability is a team effort. CP is committed to climate resilience, supply chain responsibility, and inclusive growth; because meeting global expectations starts at home.

## Appendix - Session Summaries:

### 3. The Challenges of Intermittency in Renewable Energy Sources

In a compelling keynote, Arjan van den Broek, EVP at Global Power Synergy Public Company Limited, spotlighted the complexity and urgency of decarbonizing Thailand's industrial energy systems. As the energy arm of PTT Group, GPSC is at the forefront of the transition in the Map Ta Phut industrial zone - where steam and electricity are critical and fossil fuels still dominate.

Van den Brooke outlined GPSC's roadmap for navigating renewable intermittency:

- **Third-party grid access is essential:** GPSC advocates for regulatory support to import clean energy from solar and wind assets outside Map Ta Phut via the national grid.
- **Steam and power must be balanced:** The shift to renewables challenges conventional co-generation models; energy and heat storage will be critical to maintain reliability.
- **Electrification drives efficiency:** Reducing "heat-to-motion" fossil fuel use and electrifying industrial processes is the most efficient, scalable decarbonization strategy.
- **Customers are key collaborators:** GPSC is working with large industrial clients to align goals and optimize future demand.
- **Demand response unlocks flexibility:** Dynamic energy pricing and smart tools could enable real-time load management, improving grid stability and cutting emissions.

*"If you want to decarbonize, stop burning fossil fuels. Wherever you see heat-to-motion, look for ways to electrify. It's the most efficient and future-ready choice."*

– Aaron van den Brooke, GPSC



## Appendix - Session Summaries:

### 4. From Global to Local VCs' Perspective - Winning Formula for Selecting Climate Tech Startups

**Djoann Fal**, General Partner at **The Atlas Capital & Climate Tech Coalition**, delivered a compelling keynote on how climate venture capital is evolving in Southeast Asia. Drawing from his global experience and regional insights, Fal emphasized the urgency of investing in 'vital innovations'; solutions that bolster both climate and geopolitical resilience.

Fal outlined what climate tech investors look for:

- **Problem relevance:** Startups must directly address major climate challenges, not just superficial sustainability issues.
- **Team strength:** Attributes like grit, a clear vision, and startup experience are prioritized over mere technical expertise.
- **Regulatory readiness:** Anticipating policy shifts and aligning business models accordingly is crucial.
- **Scalability and timelines:** With the climate clock ticking, solutions must demonstrate potential for rapid growth and near-term impact.

Fal also introduced a practical framework for evaluating climate tech startups, aiding investors in discerning ventures with genuine potential. This framework, along with a comprehensive report mapping over 400 climate tech startups across six ASEAN countries, is available through Atlas Capital's resources.

*"There are hundreds of ideas but limited capital. We need rigorous tools to identify who is truly building for resilience."*

– Djoann Fal, Atlas Capital

## Appendix - Session Summaries:

### 5. Net Zero Checkpoint - Thailand's Progress in the Global Decarbonization Race

**Boonrod Yaowapruerk**, Founder & Managing Partner of **Creagy**, delivered a frank assessment of where Thailand stands in the race to net zero.

Despite improving its climate risk index ranking, Thailand is at a critical juncture in its decarbonization journey. The current legal and infrastructure frameworks remain geared towards traditional business models, while high reliance on fossil fuels and sector-specific challenges persist.

Boonrod outlined the nation's 2030, 2050, and 2065 climate goals and emphasized the urgency of the 2025 to 2030 window to take decisive action. He highlighted the upcoming Climate Change Act as a turning point, aimed at enabling carbon pricing and supporting a stronger investment ecosystem for green growth.

#### Key challenge areas:

- **Energy:** Fossil fuel lock-in and limited grid access for independent producers
- **Transport:** Inadequate EV infrastructure and diminishing incentives
- **Industry & Agriculture:** Hard-to-abate sectors and a need for scalable low-carbon solutions
- **Finance:** Thailand will need 5 to 8 trillion THB (10% of GDP) to meet its 2035 emission targets

Yaowapruerk's message was clear:

*"Solving problems in a siloed, piecemeal manner will not create change. All sectors must collaborate to address this issue."*

## Appendix - Session Summaries:

### 6. How We Help Companies Achieve Sustainability Objectives - AI-Powered

**Hilda Poh** from **Google** Cloud's Digital Narratives team delivered a practical and tech-forward keynote on how AI and cloud infrastructure are shaping corporate sustainability strategies. Drawing from Google's climate journey, she framed AI as the tool to accelerate emissions tracking, resource optimization, and ESG data management.

With emissions often hiding in cloud operations and supply chains, Hilda shared how tools like the **Carbon Sense Suite** and **Active Assist** help organizations track, optimize, and reduce their carbon footprint, right down to individual cloud services and delivery routes.

She outlined four pillars driving Google Cloud's sustainability support:

- **Build:** Developers can minimize the carbon impact of cloud workloads through emissions tracking and smart deployment tools.
- **Measure:** ESG data integration is made easier via Google BigQuery and partnerships like Watershed, allowing companies to consolidate and act on critical insights.
- **Optimize:** APIs for address validation, route optimization, and fleet tracking, reduce inefficiencies across logistics and supply chains.
- **Grow:** Google launched the Thailand AI Sustainability Accelerator, a fully funded 3-month program to support local companies leveraging AI for climate action.

*"Sustainability is a data challenge. With the right platforms and partnerships, AI can turn climate goals into measurable, scalable outcomes."*

– Hilda Poh, Google Cloud



# Appendix - Session Summaries:

## 7. Building X - Driving Decarbonization Through Digital Transformation

**Derek Del Nevo**, Head of Software and Digital for **Siemens** Southeast Asia, presented Siemens' flagship platform, **Building X**, showcasing how digital transformation can unlock significant energy savings and carbon reductions in the built environment.

With nearly 40% of global emissions coming from buildings and 75% of commercial properties still energy inefficient, Siemens is tackling this challenge head-on. Their "Green Print" approach to smart buildings includes three stages: assessment and planning, autonomous optimization, and real-time measurement.

Del Nevo outlined how Building X delivers value:

- **Sustainability Manager:** Tracks emissions, supports compliance, and helps organizations plan decarbonization initiatives—cutting consultancy costs and aligning to regulatory demands.
- **Energy Manager:** Integrates with building systems to detect anomalies, visualize consumption patterns, and save up to 15% in energy use.
- **Comfort AI:** Uses weather and occupancy data to intelligently control HVAC systems, delivering up to 25% energy savings and improving tenant satisfaction.

By unifying diverse data sources into one intuitive cloud platform, Building X empowers operators to take control of their sustainability journey, optimize performance, and future-proof their assets.

*"The future of buildings is not just smart, but sustainable, autonomous, and human-centric."*  
– Derek Del Nevo, Siemens



## Appendix - Session Summaries:

### 8. Rediness for Regenerative Cities: Collaborative Scaling and Execution

What does it take to build a regenerative city? According to speakers from DEPA, KKTT Social Enterprise, and Pattaya City, the answer lies in **collaboration, data-driven planning, and citizen engagement**.

**Assoc. Prof. Rawee Hanpachern** from **Khon Kaen University**, emphasized the importance of reducing negative impacts while creating positive ones. He shared how Khon Kaen's light rail project was born from a locally-led, privately-funded initiative; a model of partnership that blends ESG goals with real infrastructure outcomes.

**Dr. Orachat Leingpeboon**, Vice President of the Smart City Promotion Department at **DEPA**, stressed that each city should grow based on its own strengths, but warned of common hurdles: funding, business models, and citizen participation. DEPA is working with 36 pilot areas to demonstrate how smart technology can improve urban living, from disaster preparedness to digital infrastructure.

**Dr. Siwat Bunkerd**, Deputy Permanent Secretary of Pattaya City, shared how **Pattaya's "smart civilian system"** identifies city pain points, enabling targeted tech use which can range from AI-enhanced public services to event planning via data catalogs.

A unified message across all speakers: progress depends on multi-stakeholder action.

*"The city belongs to everyone; let's think together and work together. We must work with the citizens to make the city move forward."*

– Dr. Orachat Leingpeboon

## Appendix - Session Summaries:

### 9. Decarbonization Solutions Outlook - Emerging Technologies

In this rapid-fire showcase, three bold innovators shared breakthrough technologies shaping the next frontier of climate solutions - from passive cooling to climate intelligence and regional acceleration.

#### **Eli Goldstein, PhD, Co-Founder & CTO, Skycool Systems Inc.**

Goldstein introduced a revolutionary passive cooling technology that uses a novel multilayer plastic film capable of staying cooler than the surrounding air - even under direct sunlight. Installed on rooftops or in cooling panels, the system offers significant energy savings by rejecting heat without electricity or water use. SkyCool is already replacing traditional HVAC and cooling tower systems in the U.S. and aims to scale globally.

#### **Karen (Hanyuan) Wang, CEO & Founder, Climind**

Wang presented Climind as an AI "co-worker" for sustainability professionals - leveraging large language models to transform knowledge workflows across sectors. From real-time ESG compliance checks to automated climate risk analysis and multilingual data extraction, Climind is enabling banks, regulators, and rating agencies to work smarter and scale faster.

#### **Chetan Krishna, Head of Research and Diligence, Third Derivative**

Krishna shared why Asia is the next climate frontier and how Third Derivative supports startups tackling decarbonization across electricity, transport, and industry. Highlighting deep-tech examples - from superconductive grid upgrades to zero-carbon cement furnaces - he emphasized the need to bridge global innovation with local deployment to accelerate the region's net zero goals.

*"Most of the 600 technologies the world needs for net zero are still at an early stage. Scaling them takes a village, and Southeast Asia must be part of that village."*

– Chetan Krishna, Third Derivative



## Appendix - Session Summaries:

### 10. Thailand in a 3°C World - Challenges and Adaptation Strategies

**Prempreedee Kitirattrakarn**, CEO of **ExpresSo NB**, delivered a sobering keynote on Thailand's climate future and the importance of preparing now for a significantly warmer world. With global temperatures already 1.26°C above pre-industrial levels and emissions still rising, Kitirattrakarn emphasized the high likelihood that the planet will overshoot the 2°C threshold.

Kitirattrakarn outlined key risks Thailand faces under a 3°C scenario:

- **Extreme heat events:** Thailand saw 60 days of extreme heat in 2023—conditions once considered a 1-in-200-year event. In a 3°C world, such events could become regular occurrences.
- **Humidity and health risks:** Combined heat and humidity could produce life-threatening conditions, with 'felt' temperatures exceeding 50°C.
- **Sea level rise and urban flooding:** Simulations show large areas of Bangkok and surrounding provinces at risk of submersion without major infrastructure upgrades.
- **Economic vulnerability:** Tourism, manufacturing, and urban livelihoods could be severely disrupted, with implications for national GDP.

Kitirattrakarn called for a greater emphasis on **climate adaptation**, alongside ongoing mitigation efforts. This includes better climate forecasting tools that reflect regional realities, stronger critical infrastructure, and rethinking urban planning for resilience.

*"So if you want to still stay in Bangkok or stay in Thailand, what kind of solution or what kind of knowledge do we need to capture to be able to survive and adapt and thrive in this kind of new scenario?"*

– Prempreedee Kitirattrakarn, ExpresSo NB

# Appendix - Session Summaries:

## 11. Mapping a Greener Future - How AI & Data Drive Decarbonization

**Samuel Jeanblanc**, APAC Head of **Google** Maps, delivered an inspiring keynote on how Google's digital tools and AI-powered platforms are supporting global and regional climate goals. From individual drivers to government planners, Google Maps is scaling sustainability by design.

Jeanblanc shared how Google's net-zero ambition is translating into practical tools for climate action:

- **Fuel-Efficient Routing:** A subtle UX change with massive impact - over 40% of Google Maps users now choose routes that reduce fuel consumption, cutting emissions across 2+ billion monthly users.
- **EV Charging Integration:** Google Maps provides real-time availability and compatibility data for electric vehicle charging, reducing range anxiety and easing adoption.
- **Environmental APIs:** Google has opened access to advanced datasets - Solar, Air Quality, Pollen, and Weather APIs - allowing companies to optimize operations, from logistics and HVAC to ESG planning and compliance.
- **Project Green Light:** By analyzing traffic light timing using Google Maps data, cities have reduced intersection-level emissions by up to 10%. The project's successor, Road Management Insight, is already helping major cities manage congestion more efficiently.
- **Google Earth Engine:** A powerhouse platform for satellite imagery analysis, Earth Engine enables real-time deforestation tracking, flood risk mapping, and land use insights. Used by governments, NGOs, and enterprises alike, it democratizes geospatial intelligence.

*"Small changes at massive scale can transform sustainability outcomes. With over two billion users, every optimization we make in Google Maps can ripple out to real-world climate impact."*

— Samuel Jeanblanc, Google

# Appendix - Session Summaries:

## 12. The Corporate Carbon Dilemma

**Peter du Pont**, CEO of **Asia Clean Energy Partners** and Co-Convenor of **Southeast Asia Corporate Decarbonization Exchange (CDx)**, delivered a grounded yet forward-thinking keynote on the hard truths and big opportunities in corporate decarbonization - especially for SMEs under increasing climate, regulatory, and investor pressure.

He made one thing clear: Southeast Asia's growth trajectory poses a high emissions risk unless businesses act decisively. And while large corporations often lead the net-zero narrative, SMEs, who make up 90% of businesses, are still navigating without a map.

Enter the **Southeast Asia Corporate Decarbonization Exchange (CDx)**:

A new regional platform built to help companies plan, fund, and implement credible climate strategies, with targeted support for SMEs.

### Key Takeaways:

- Southeast Asia's booming growth must go hand-in-hand with decarbonization
- Most SMEs lack access to emissions data, finance, or technical help
- CDx provides training, tools, and cross-sector connections to bridge this gap

*"CDx is designed for local realities—to connect SMEs, corporates, financiers, investors and solution providers. It's about alignment, not just access."*

– Peter du Pont, Asia Clean Energy Partners

### Join the Movement:

Whether you're a corporate leader, SME, financier, or solution provider - your voice matters. CDx is building a regional community for climate action.



## Appendix - Session Summaries:

### 13. ASEAN Way Forward to Decarbonization: Policy and Collaboration

**Tisha-Nok Krecke**, Project Manager at **Agora Energiewende**, delivered an impactful and timely perspective on how ASEAN can advance decarbonization through stronger policy alignment, renewable energy investment, and deeper regional cooperation.

#### Key Highlights:

- **Global momentum is strong, but ASEAN's domestic barriers remain real.** More affordable technology and increasing global climate commitments are opening opportunities, yet ASEAN still struggles with weak targets, fossil fuel subsidies, and inconsistent procurement frameworks.
- **ASEAN has the renewable resources but it now needs the right incentives.** The region is rich in solar and wind potential. Clearer policies, risk reduction tools, and regulatory consistency are essential to accelerate deployment.
- **Collaboration is a strategic advantage.** With ASEAN poised to become the world's fifth-largest economy, Krecke urged the region to act as an integrated block; sharing data, aligning on standards, and jointly responding to global trade and technology shifts.
- **Energy transition = energy security.** Moving to renewables isn't just climate-smart, it's a long-term shield against fossil fuel volatility and import dependency.

*"ASEAN is the fifth largest economy in the world, but we're not yet working together as an economic bloc. We need to strengthen regional collaboration to unlock clean energy potential and increase our bargaining power."*

– Tisha-Nok Krecke

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## True Digital Park

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## Want to take part of Decarbonize Thailand Symposium 2026?

We're already gearing up for DTS 2026!

Reach out to us to explore how we can collaborate on next year's event at

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Third Annual Event | 20 May 2025

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