

NEWSEFFECT

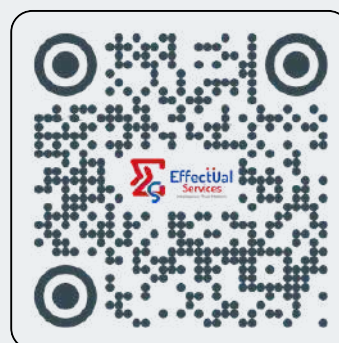
I N N O V A T I O N F R O N T I E R



Our Company's Growth &

SUCCESS IN 2026

We are incredibly proud to celebrate **Dr. Amit Goel**, Director at **Effectual Services**, on being featured in the **IAM Strategy 300** - The World's Leading IP Strategists 2026.



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AI ADVANCEMENTS

Petlibro's new AI-powered feeder is a game changer for multi-cat homes

Smart feeders are evolving beyond simple meal timers, with AI cameras and health tracking becoming standard features. Petlibro's new Granary 2 series takes a simpler but useful approach: a built-in scale tracks both dispensed and leftover food, helping estimate how much your pet actually eats—not just whether a meal was served.



Karnataka to use AI to track crops from farm to plate, 27 agri-tech innovations shortlisted

Karnataka is expanding the use of AI in agriculture, with the government developing tools to track crops from farm to consumer. An AI platform also sends farmers personalised advisories in Kannada, using voice and video to guide them on crop choices, especially during uncertain rainfall.



China uses 100,000 home-grown AI chips to build leading weather forecast system

China says its new Sugon 8,000 supercomputer can forecast weather up to 10 days ahead at a 5km resolution. The system runs a Chinese-developed AI model on domestically made AI chips, matching or exceeding the resolution of many major global forecasting systems.

Burjeel Hospital Abu Dhabi advances cardiovascular care with AI

At Burjeel Hospital Abu Dhabi, AI is powering the GCC's first AI-enabled cardiac catheterisation lab, helping cardiologists with advanced imaging, treatment planning and complex procedures. The technology supports—not replaces – clinical judgment, with final decisions remaining with the cardiologist.



AI ADVANCEMENTS



Dassault Aviation tests AI algorithms on Rafale fighter jet

French planemaker Dassault Aviation has flight-tested two new AI algorithms on its Rafale fighter jet, highlighting the growing use of AI in military aviation. The technology is being explored to help pilots make faster decisions and coordinate with uncrewed “wingman” drones, as France and Europe develop next-generation fighter capabilities.

AI In Diagnostics: From Seeing Disease To Understanding The Patient

AI is reshaping diagnostics by connecting clinical, imaging and molecular data to enable earlier, more personalised care. With medicine generating vast amounts of patient data, the key challenge is now interpreting it. AI can help link genetic changes with tumour type, treatment history, resistance patterns and available therapies to support better decisions.



That Small AI Tool Which Fits In The Indian Farmers' Pockets

In India, small AI is making farming advice faster, simpler and more accessible for smallholder farmers using basic smartphones. Farmers can now get practical guidance in local languages on crops, pests, weather, markets and government support.



DISRUPTIVE TECHNOLOGIES

Nothing Headphone (1) Pro unveiled with triple drivers, improved ANC and premium build

Nothing has unveiled its flagship over-ear headphones, the Headphone (1) Pro, featuring triple drivers, improved ANC with 10 microphones and a premium glass-and-titanium build. The setup includes a 40mm dynamic driver for bass, a precision dynamic driver and an xMEMS driver with a silicone diaphragm for treble.



Meta adds camera-free AI glasses as Samsung prepares 2026 launch

Meta is developing camera-free smart glasses, while Samsung is preparing AI glasses for 2026. Samsung's device is expected to offer navigation, live translation, search and image capture via Google Gemini, as privacy concerns push companies to build stronger data protections into smart glasses.



ZenaTech's ZenaDrone Advances Precision Agriculture Solutions with Initial Prototype and Start of Testing of IQ Octo Designed for Autonomous Drone-Based Spraying and Seeding

Drones enable precise spraying and seeding, reducing inputs, labor and crop damage. For broken robots, a spare unit can keep work running, but quick recovery depends on compatibility, setup time and fast engineer support.



GMO unveils a humanoid ambulance to keep robots working

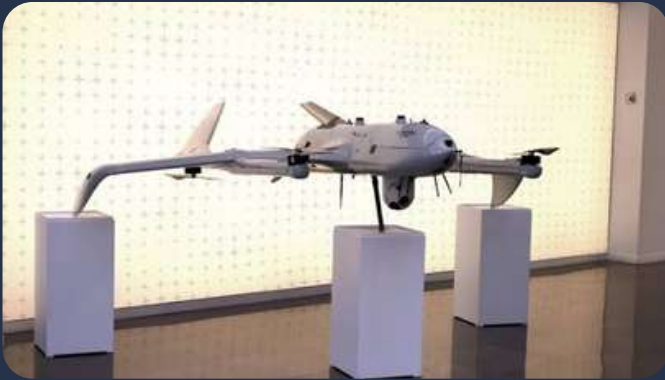
GMO AIR has unveiled Japan's first mobile repair van for humanoid robots. The "GMO Humanoid Ambulance" carries engineers, tools, spare parts and even replacement robots to fix machines on-site.



DISRUPTIVE TECHNOLOGIES

Indra unveils its new drones for the Armed Forces at the UNVEX trade fair

Indra will showcase its TARSIS drones at Spain's UNVEX exhibition, as part of a contract to deliver 147 units to the Spanish Armed Forces. The lineup includes TARSIS-W for conventional takeoff and light weapons and TARSIS-VTOL with vertical takeoff and landing capabilities.



ArcelorMittal and Moeve in sustainable Spanish steel innovation

G2G is creating an open innovation ecosystem that combines industry expertise and funding to develop and scale new technologies, while supporting startups, universities and tech centres.



PetPhone Headlines petpogo's AI Pet Tech Ecosystem Upgrade at IFA 2026

The pet-tech brand under uCloudlink (Nasdaq: UCL) is upgrading its AI pet ecosystem with three connected products: PetPhone, PetCam AI and the petpogo app –helping owners better understand and connect with their pets.

Why Realbotix Corp (TSXV:XBOT) Is Placing Humanoid Robots Directly Into US Classrooms

Realbotix is bringing its humanoid robot and AI teaching assistant into U.S. classrooms, starting with Woz ED AI and Robotics students in Salamanca City Central School District. The program is set to expand to around 500 high school students in fall 2026, with safeguards for AI reliability and student safety.

The logo for Realbotix, featuring the word "realbotix" in a lowercase, sans-serif font, with a blue gear icon replacing the letter "o".

IP INSIGHTS

Multimodal Relationship Analytics

What is Multimodal Relationship Analytics?

Multimodal relationship analytics uses artificial intelligence (AI), natural-language processing (NLP), and machine learning to analyze different types of information related to interpersonal interactions. The approach combines communication patterns, digital behavior, and physiological signals to identify meaningful patterns in how individuals interact and respond to one another. By analyzing information from multiple sources, the technology provides a broader understanding of communication, behavioral patterns, emotional cues, and interpersonal dynamics.

Main Applications

- **Relationship Monitoring:** Tracks communication and behavior.
- **Communication Analysis:** Detects language and interaction changes.
- **Digital Behavior:** Analyzes online activity and engagement.
- **Emotional Insights:** Identifies mood and behavioral shifts.
- **Smart Devices:** Enables continuous data collection via phones and wearables.

Key Data Sources in Relationship Analytics

- **Interaction Data:** NLP analyzes language, word choice, communication frequency, and conversation patterns.
- **Digital Behavior:** Online activity and digital interactions reveal behavioral trends over time.
- **Physiological Signals:** Heart rate, skin response, respiration, temperature, and movement provide insights into emotional and behavioral patterns.

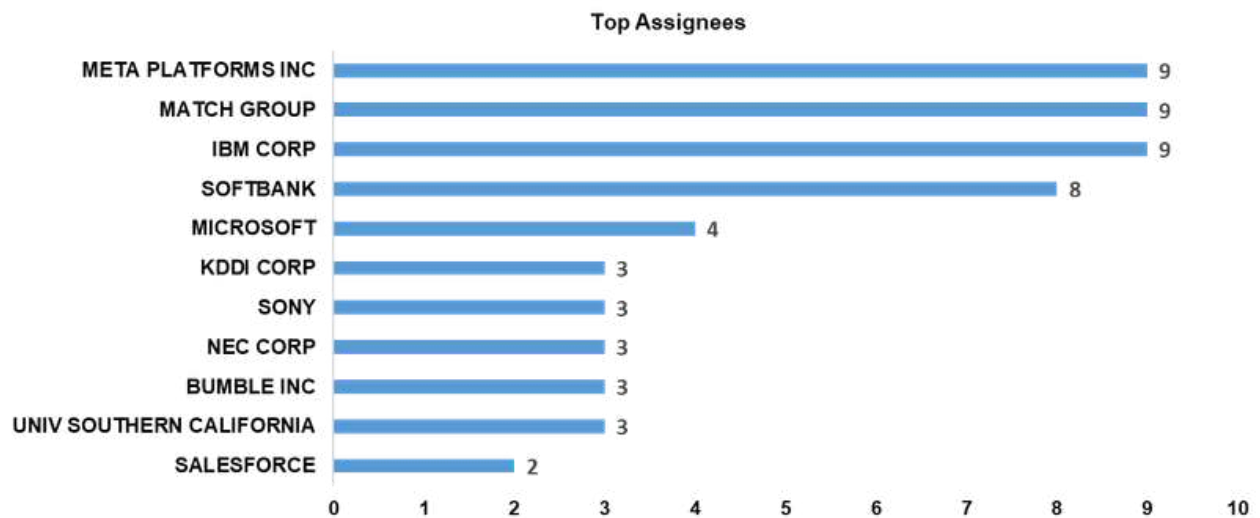
What Are the Main Methods Used?

Multimodal relationship analytics combines natural-language processing, machine learning, and multimodal data analysis. NLP techniques are used to analyze text and speech, while machine-learning models identify patterns across linguistic, behavioral, digital, and physiological information. Techniques such as classification, clustering, pattern recognition, neural networks, and statistical analysis are used to process information from multiple sources and derive meaningful insights.

IP INSIGHTS

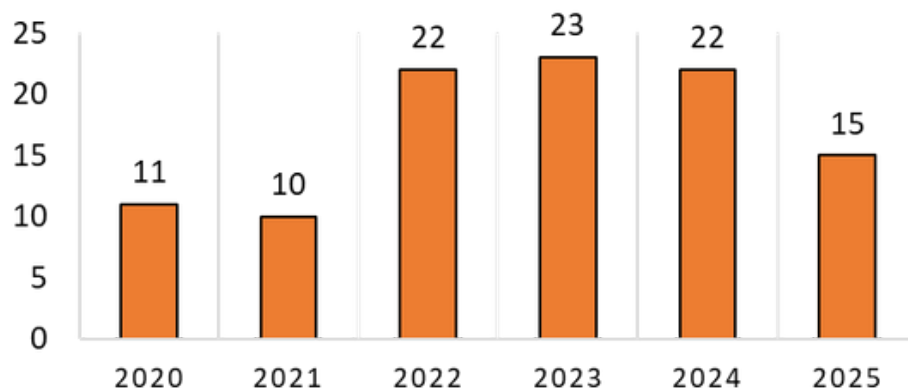
Multimodal Relationship Analytics

Top Assignees by patents/publications



- Meta Platforms, Match Group & IBM: Lead patent activity in multimodal relationship analytics.
- SoftBank & Microsoft: Follow as key assignees.
- Meta, Match Group & IBM: Use NLP/AI to analyze interactions, behavior, affinities, and compatibility.
- IBM: Combines digital profiles with physiological signals for compatibility-based recommendations.

Filing Trends

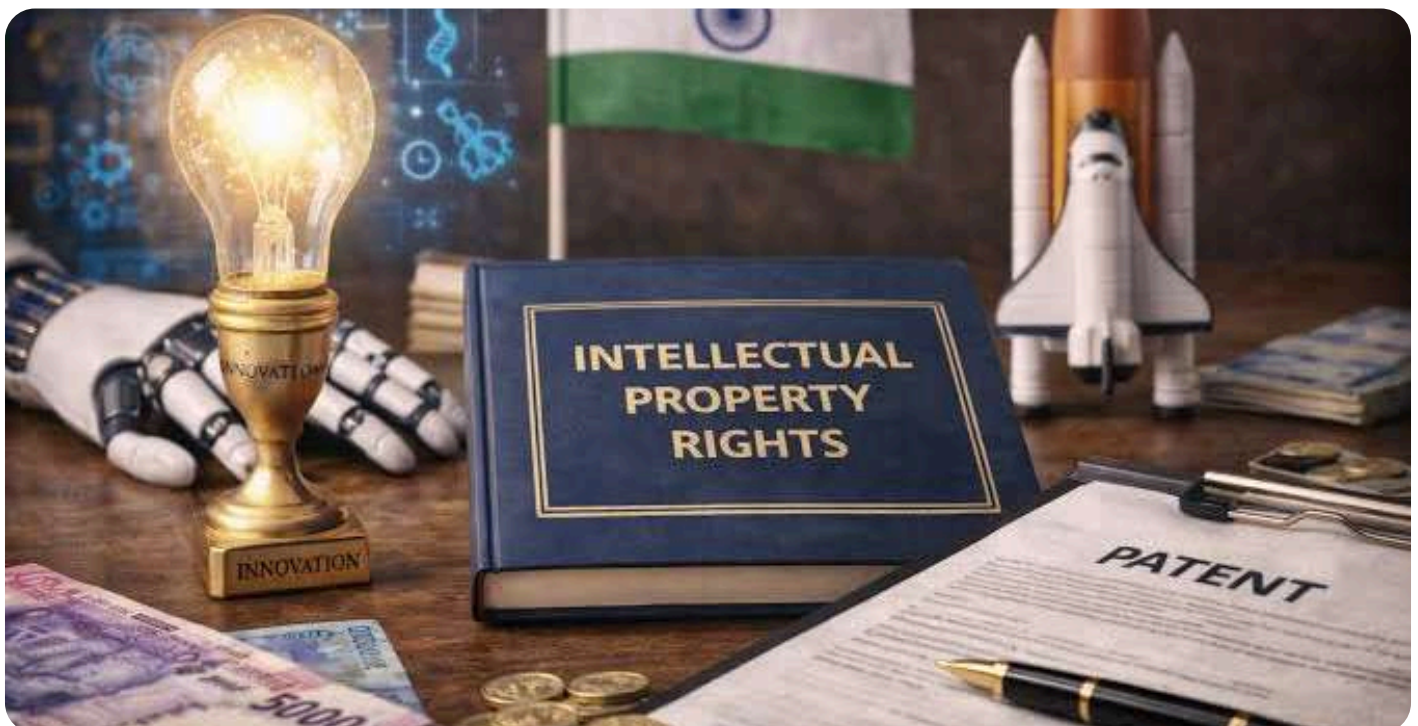


The highest number of patent filings was observed in 2023, with China emerging as the leading contributor.

IP NEWS

A new centralized platform aims to simplify the recordation of IP rights globally

- USPTO joins WIPO's GIPAP pilot to simplify global IP assignment recordation.
- GIPAP will provide a centralized platform to file and track patent, trademark, and industrial design assignments.
- Current system: Assignments must be recorded separately in each jurisdiction, increasing time and cost.
- Pilot: Begins Fall 2026 and runs through 2027.
- Phase 2: WIPO and participating IP offices will test and validate the platform's end-to-end workflows.
- Goal: Reduce administrative burden and create a faster, more efficient global IP assignment process.
- USPTO: Supports the initiative, particularly to benefit U.S. businesses operating globally.



IP NEWS

US jury says Apple owes record \$5.7 billion in haptic technology patent case

- Apple ordered to pay \$5.7+ billion by a U.S. jury to San Diego-based Taction.
- Jury found Apple's Taptic Engine in iPhones and Apple Watches infringed two Taction patents.
- Apple will appeal, arguing its technology is fundamentally different and does not use Taction's patented technology.
- Taction, which makes haptic technology for headphones and gaming headsets, filed the lawsuit in 2021.



IP NEWS

Litigation funder Burford says it would be entitled to \$1.4 billion of Apple patent verdict

- UK-listed litigation funder Burford Capital said that its funding agreement would entitle it to about \$1.4 billion of a landmark \$5.7 billion patent verdict won by Taction Technology against Apple, while warning that such large awards rarely survive post-trial proceedings intact.
- Burford said it had a “financial entitlement” in what it described as “one of the largest patent verdicts in US history”, sending shares up 9 per cent in early trading in London.
- Taction accused Apple of violating two of its patents concerning the haptic feedback in iPhones and Apple Watches in its legal complaint, alleging that the tech giant had capitalised on its “innovation and success” by selling the devices.
- “As with all litigation, the outcome remains uncertain until final resolution, and there can be no assurance as to the timing or amount of any ultimate recovery,” Burford added.



IP NEWS

Nike, Lululemon agree to end patent dispute over Mirror home workout tech

- Nike and Lululemon agreed to dismiss a patent lawsuit over Lululemon's Mirror home workout system.
- Nike sued in 2022, alleging Mirror infringed six patents related to fitness tracking, exertion levels, competition, and performance recording.
- Lululemon denied the allegations.
- The USPTO tribunal later found relevant parts of five of the six patents invalid; Nike lost appeals on two decisions.
- Lululemon acquired Mirror for about \$453 million in 2020.
- In a separate shoe patent case, a jury awarded Nike \$355,450, but the judge later overturned the verdict after finding the patent invalid.
- The companies also agreed to dismiss Nike's appeal in that shoe case.



IP NEWS

Pfizer, Moderna lose bids to escape Bayer US mRNA patent lawsuit

- A federal judge in Delaware on Monday rejected Pfizer and Moderna's requests to dismiss patent lawsuits filed against them by Bayer's, opens new tab Monsanto unit over the messenger RNA technology used in their COVID-19 vaccines.
- US Circuit Judge William Bryson, sitting at the court by designation, said, opens new tab that the vaccine makers failed to show at an early stage of the case that the patent at issue was invalid or not infringed by their shots.
- Spokespeople for the vaccine makers did not immediately respond to requests for comment on the decision.
- "We are pleased with the court's decision and remain confident in our position that Bayer's patented innovations were used without authorization," Bayer said in a statement.
- Bayer sued the companies in January for allegedly copying technology developed by Monsanto in the 1980s for strengthening mRNA in crops and using it to stabilize the genetic material in their vaccines.
- The vaccine makers argued that their manufacturing processes worked differently than Bayer's technology.
- Bayer has also filed a separate lawsuit against Johnson & Johnson (JNJ.N), opens new tab over the patent in New Jersey. The case is ongoing.



IP NEWS

Corteva, Inari settle US dispute over seed patents during trial

- Corteva Agriscience and Inari Agriculture settled their Delaware IP dispute after trial.
- The parties filed a joint motion to dismiss with prejudice on September 27.
- Most settlement terms remain confidential.
- Inari must destroy all Corteva biological and restricted materials in its possession within 30 days.
- This includes seeds, plants, plant parts, tissue cultures, and DNA samples.
- Inari must submit a declaration confirming destruction after completion.
- Corteva sued Inari in September 2023, alleging



IP NEWS

Mylan asks US court to clear Wegovy generic from Novo patent claims

- Viatris' Mylan Pharmaceuticals sued Novo Nordisk in Delaware over its proposed generic version of Wegovy.
- Viatris seeks a ruling that its generic does not infringe Novo's patent covering single-dose Wegovy pens for weight loss.
- Novo declined to comment, citing ongoing litigation.
- Novo generated nearly \$31 billion in 2025 from Wegovy and Ozempic.
- U.S. generic versions of Wegovy and Ozempic are blocked until 2032, when key semaglutide patents expire.
- Novo has settled several similar patent disputes involving proposed Wegovy and Ozempic generics.
- Case: Mylan Pharmaceuticals Inc. v. Novo Nordisk Inc., D. Del., No. 1:26-cv-01192.



IP NEWS

Liquidia slumps after US court rules for United Therapeutics in patent fight

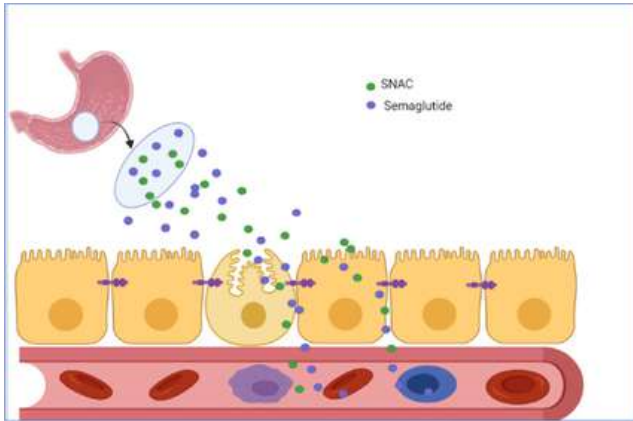
- Liquidia shares fell nearly 50% after a Delaware federal judge ruled its Yutrepia lung drug infringes United Therapeutics' patent.
- The court found Yutrepia infringed two claims of United's '327 patent.
- The patent covers inhaled treprostinil and dry-powder delivery methods for treating PH-ILD.
- The court also rejected Liquidia's motion to strike evidence related to United's patent ownership.
- The ruling could significantly limit Yutrepia's commercial prospects.
- The decision strengthens protection for United Therapeutics' Tyvaso, an inhaled treatment.
- United Therapeutics shares rose 12.3% following the ruling.



TECHNOLOGY THEMES

Innovations in Diabetes: Molecular Targeting, Advanced Drug Delivery, and Microbiome–Genetic Profiling

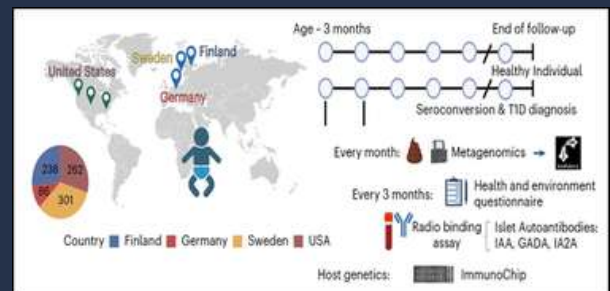
Enhanced Oral Absorption of Semaglutide Using HIP–SEDDS



The innovation enables oral delivery of semaglutide through hydrophobic ion pairing (HIP) with sodium docusate, enhancing lipophilicity and incorporation into a lipid-based SEDDS. The optimized formulation formed a clear 85.55 nm emulsion, improving intestinal permeability and reducing P-glycoprotein-mediated efflux. In diabetic rats, it produced glucose-lowering effects and improved lipid profiles, demonstrating potential for enhancing the oral absorption of semaglutide and other poorly absorbed peptide drugs.

Gut Microbiome Maturation and Host Genetics in Type 1 Diabetes Susceptibility

The study found that early-life gut microbiome maturation and host genetics influence T1D risk. Three microbiome patterns were identified, with the Early Plateaued pattern linked to nearly 3-fold higher T1D risk. Host immune-related genetic variants also influenced the association between microbiome maturation and T1D.



Targeting the FBN1–Asprosin Axis with Curcumin for Metabolic Modulation in Type 2 Diabetes

The study identified the FBN1–asprosin pathway as a potential mechanism underlying curcumin's effects in T2DM. In diabetic rats, curcumin supplementation (300 mg/kg/day for 8 weeks) reduced FBN1 expression and serum asprosin levels, while improving glucose metabolism, insulin resistance, and body weight. These findings suggest a potential role of the FBN1–asprosin axis in curcumin's metabolic effects, although causality was not established.

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A Proud Moment for Effectual Services

We are incredibly proud to celebrate Dr. Amit Goel, Director at Effectual Services, on being featured in the IAM Strategy 300 – The World’s Leading IP Strategists 2026.

We are delighted to share that our esteemed leader, **Dr. Amit Goel**, has been featured by The Enterprise World in its prestigious issue “**Top Pioneering IP Management Experts to Watch in 2026.**”



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P R E S E N T S

GLA MENA

The Middle East Arbitration, Litigation & Disputes Summit

Where Global Disputes, Arbitration & Commerce Converge



16 – 17 Nov' 2026



Knight Castle Hotel, Dubai

ABOUT GLA MENA

GLA MENA is the Middle East edition of the Global Legal Association's flagship disputes platform. Unlike conventional conferences, GLA MENA is curated as a closed-door executive summit designed to convene the senior leaders shaping the future of arbitration, litigation, mediation, enforcement and cross-border commerce.

The summit brings together leading arbitrators, judges, general counsel, law firm partners, arbitral institutions, policymakers, sovereign stakeholders and multinational legal leaders to exchange ideas, build strategic relationships and influence the future of global dispute resolution.

BY INVITATION & SELECTION ONLY

GLA MENA is intentionally limited to approximately **100 senior participants** to maximise:

- Meaningful conversations
- Relationship building
- Business development
- Executive networking

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GLAASEAN

The Southeast Asia Legal & Disputes Summit

Where ASEAN's legal & disputes leaders meet the world



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AIAC, Kuala Lumpur

ABOUT GLA ASEAN

GLA ASEAN 2027 is a curated, invitation-led legal and business leadership summit bringing together Senior General Counsels, Disputes Leaders, Arbitral Institutions, Law Firms, Insurers, Investors and Policymakers to examine the evolving cross-border disputes and risk landscape across Southeast Asia.

Asean is becoming a critical hub for global investment, infrastructure, energy, manufacturing, technology, trade, supply chains and digital commerce. As capital, businesses and infrastructure move across borders, legal complexity moves with them.

GLA ASEAN is built to examine the disputes agenda behind this transformation: where disputes are emerging, how they are evolving and what businesses need to anticipate next.

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GET IN TOUCH

The sum of human ingenuity and expertise that powers us.

Human interactions that drive innovation.



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