



GLOBAL ENERGY PRIZE 2025 LAUREATES ANNOUNCED IN CEREMONY ATTENDED BY GLOBAL LEADERS AND ASTRONAUTS

World science is facing global challenges, and it is no exaggeration to say that our ability to quickly solve them will define the future of civilisation. The biggest challenges include the transition to clean technologies for the production, storage and transmission of energy and the search for solutions that can effectively combat global climate change”



The ceremony of the Global Energy Prize Laureates' Announcement was attended by Mikhail Kotyukov, Governor of the Krasnoyarsk Territory, Sergey Brilev, President of the Global Energy Association, Rae Kwon Chung, Chairman of the Global Energy Prize International Award Committee, and Committee members William Byun (Singapore), Dmitri Bessarabov (South Africa), Liye Xiao (China) and Abel Didier Tella (Republic of Côte d'Ivoire). The final decision was made by the Global Energy Prize International Committee, headed by the Nobel Peace Prize Laureate Rae Kwon Chung.

“World science is facing global challenges, and it is no exaggeration to say that our ability to quickly solve them will define the future of civilisation. The biggest challenges include the transition to clean technologies for the production, storage and transmission of energy and the search for solutions that can effectively combat global climate change”, said Rae Kwon Chung.

The procedure for selecting the laureates of the Global Energy Prize was closely followed not just on Earth but also in outer space. The Russian crew of cosmonauts from the International Space Station (ISS), which includes Sergey Ryzhikov, Alexey Zubritsky and Kirill Peskov, recorded a video message to the laureates.

The Global Energy Prize award ceremony will be held as part of the Russian Energy Week, which will take place in Moscow from October 15 to 17, 2025.

Article contributed by Abel Didier Tella, Director General, APUA

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GLOBAL STORIES ON SMART GRID

Vietnam Lists 24 Energy Projects Worth USD7 Billion for JETP Support

The Government of Vietnam and the International Partners Group (IPG) have identified 24 energy projects as eligible for support under the Just Energy Transition Partnership (JETP), with an estimated investment need of over USD7 billion. Three energy projects in Vietnam have secured international financing under the JETP framework. These include a EUR67 million credit line for a 500 kV transmission line passing through Ho Chi Minh City and Dong Nai, a EUR480 million facility for the Bac Ai Pumped Storage Hydropower Project in Khanh Hoa, and a EUR65 million loan for upgrading the Tri An Hydropower Plant in Dong Nai.

Read More: <https://shorturl.at/Xy0mJ>

India Shields Power Grid with New Solar Inverter Cybersecurity Rules

India's Ministry of Renewable Energy issued stringent new guidelines to protect its power grid from cybersecurity vulnerabilities potentially embedded in imported solar equipment. The rules, responding to concerns that foreign-made parts could put the grid at risk, mandate that all suppliers of rooftop solar inverters must connect their devices to a national software platform hosted on servers located within India and managed by a government agency. Furthermore, all communication devices within these inverters must use special SIM cards designed for secure, machine-to-machine data sharing.

Read More: <https://shorturl.at/GQ5QM>

Aerones Secures \$62 Million to Advance Robotic Wind Turbine Maintenance

Latvia-based Aerones has raised \$62 Million to support the global expansion of its robotic and AI-enabled technologies for wind turbine maintenance. Aerones robotics technology can service wind turbine blades in half the time required for manual maintenance. The funding aims to enhance the upkeep of wind turbines across more than 30 countries.

Read More: <https://bitly.cx/ciXWe>

Uniper and Microsoft Form Strategic Partnership to Accelerate Energy Industry Transformation Through AI

Uniper is intensifying its collaboration with Microsoft to leverage Artificial Intelligence (AI). Uniper aims to become a global leader in the application of AI in the energy industry. Therefore, AI will be integrated into all major business processes and strategic tasks at Uniper to make them more efficient. The energy industry is undergoing rapid change. The future energy system will be more volatile, decentralized, less carbon-intensive, and more interconnected with other sectors than it is today. AI is a crucial component for transforming the energy system. It helps optimize energy trading and the use of various generation types, makes maintenance and servicing of plants more efficient and cost-effective, and better meets customer needs.

Read More: <https://bitly.cx/UNgdI>

Meta Becomes the Latest Big Tech Company Turning to Nuclear Power for AI Need

Meta has cut a 20-year deal to secure nuclear power to help meet surging demand for artificial intelligence and other computing needs at Facebook's parent company. The investment with Meta will also expand the output of a Constellation Energy Illinois nuclear plant. The agreement is just the latest in a string of tech-nuclear partnerships as the use of AI expands.

Read More: <https://bitly.cx/0jNqv>

Hitachi Energy and E.ON Ink \$700m Deal to Tackle German Transformer Shortage

Hitachi Energy and German utility giant E.ON signed a deal worth up to \$700 million for the delivery of power and distribution transformers. This is not a standard procurement contract; it is a long-term framework agreement designed to reserve manufacturing capacity, a direct response to the critical global shortage of transformers that has become a major bottleneck for grid expansion and renewable integration projects worldwide.

Read More: <https://shorturl.at/X5ZJX>



GLOBAL STORIES ON SMART GRID

Wipro Wins Landmark Smart Grid Deal to Modernize Saudi Arabia's Transmission Network

Indian technology giant Wipro had secured a multi-year strategic contract from Saudi Electric Company - National Grid SA, the entity responsible for the Kingdom's power transmission network. Wipro will design, develop, and implement a comprehensive Smart Meter Data Management (MDM) system. This project is a core component of Saudi Arabia's Vision 2030, a national strategy focused on digitalization and economic diversification. This landmark deal showcases the growing export of digital grid expertise from India to the global stage and underscores a fundamental shift in grid modernization. The focus is no longer just on hardware but on deploying sophisticated data management platforms and achieving seamless IT-OT (Information Technology-Operations Technology) convergence to intelligently manage a modern energy system.

Read More: <https://shorturl.at/KwXmk>

Korean and Thai Tech Firms Partner to Build A "Quantum Electric Grid"

Pushing the boundaries of smart grid technology into the realm of next-generation computing, Korean quantum software firm Orientom and Thai energy-solution company EQ Tech announced a partnership to develop a "Quantum Electric Grid". The collaboration aims to leverage the power of quantum computing to solve complex grid optimization and simulation problems that are intractable for even the most powerful classical computers. The initial focus of the partnership will be on using quantum algorithms to optimize power flow and calculate real-time operations for power plants and storage. The long-term vision includes developing complex grid simulations capable of running tens of millions of scenarios and enhancing cybersecurity through the use of quantum cryptography.

Read More: <https://shorturl.at/XpnjY>

Delhi Launches New Battery Energy Storage System

Delhi has unveiled South Asia's largest utility-scale Battery Energy Storage System (BESS) at the Kilokari substation in South Delhi. With a capacity of 20 MW/40 MWh, the lithium-iron phosphate-based system will supply backup power for four hours daily, benefiting over 1,00,000 residents. Developed by BSES Rajdhani Power Ltd in partnership with IndiGrid and supported by GEAPP and TERI, the project aims to improve power reliability, manage peak demand, and integrate renewable energy into the grid. Officials plan to replicate this model in other congested and underserved areas of the city.

Read More: <https://shorturl.at/FYbgH>

City Energy Launches App-Free EV Charging in Singapore and Malaysia

City Energy has launched Singapore's first app-free electric vehicle (EV) charging service under its Go by City Energy brand. The new "AutoCharge" feature enables EV drivers to charge their vehicles by simply plugging in after an initial one-time setup via the Go by City Energy app. The system is now operational at over 200 charge points across Singapore and Malaysia, supported through a collaboration with Malaysia's EV Connection and its JomCharge network.

Read More: <https://shorturl.at/7fyhK>



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- ▶ **Smart Grid: BESS, DER, Cyber Security, Smart Home, City and AMI**
- ▶ **E Mobility Applications in Energy**

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Email at : aashima@indiasmartgrid.org



India Smart Grid Forum (ISGF), in collaboration with PJCI, Indonesia is pleased to announce the Training Program on "International Smart Grid Ecosystem", scheduled from 18-20 September 2025 at JIEXPO Kemayoran, Central Jakarta, with an option to join online.

For more details or to express your interest, please write to us at: aashima@indiasmartgrid.org



INDIA'S FIRST MICRO SUBSTATION WITH POWER VOLTAGE TRANSFORMER (PVT) COMMISSIONED AT TATA POWER-DDL, DELHI



- Tata Power-DDL and Nissin Electric Co., Ltd. commissioned the demonstration recently at Rohini, Delhi.
- The project will use a specially designed Power Voltage Transformer (PVT) in customized Micro-Substation to supply electricity to consumers.

Tata Power Delhi Distribution Limited (Tata Power-DDL), a leading power utility serving around 9 million consumers in North Delhi, in collaboration with Japan-based Nissin Electric Co. Ltd., has successfully commissioned the project, which has now been handed over to Tata Power-DDL.

The project is a part of International Demonstration Project on Japan's Energy Efficiency Technologies, publicly solicited by the New Energy and Industrial Technology Development Organization (NEDO). To commence this project, TATA Power-DDL and Nissin Electric signed a Project Agreement (PA) on 21st August, 2024.

Prior to this, NEDO signed a Letter of Intent (LoI) with Power Finance Corporation Limited (PFC), which is a leading Non-Banking Financial Corporation under administrative control of India's Ministry of Power, on 10th January, 2024, regarding a demonstration project to supply power through a micro substation using PVT.

The project aims to supply reliable and stable power to remote areas across India that are far from power grid or don't have fully developed grid but do have power transmission lines nearby. Instead of constructing a large network that requires substantial budget and large installation space, Micro Substation with PVT can convert high-voltage power directly from transmission lines to low voltage power, suitable for residential consumers. The introduction of this technology is primarily aimed at low cost and reliable power supply to remote load centers with challenging terrains. This will also be helpful in urban landscapes where there are challenges space for network extension to meet the growing load.

Key Advantages of the Micro-Substation over Conventional grid:

- (1) **Efficient Peak Load Management:** This cutting-edge technology will be instrumental in Effective Peak Load Management during Summer season in areas where the grid is underdeveloped, marking a significant step towards next-generation grid solutions for India.
- (2) **Low operation cost:** Since refueling and frequent maintenance of a generator are not required, running costs can be reduced.
- (3) **Space saving:** A significant benefit of the micro-substation is that it can be installed in a smaller space thus taking care of the challenge of space constraint in congested urban settlements.
- (4) **Lower environmental burden:** A significant CO2 reduction can be achieved compared to a diesel generator. In India, "24x7 Power for All" has been adopted as the main power-related policy, with the aim of supplying power to all regions 24 hours a day, 365 days a year. However, in North and Northeast India there are many areas where transmission lines have been installed but a power grid has not yet been developed or is vulnerable. In such areas mini grids utilize diesel generators that cause air pollution.
- (5) **Direct Voltage Conversion from Transmission to Local Supply:** The PVT can directly convert extra high voltage (EHV) power from transmission lines to low voltage power and supply it to the surrounding areas.

By installing a micro substation with a PVT, it is possible to supply stable power inexpensively without the need to build a large-scale substation.

TATA Power-DDL with support from Nissin Electric, will monitor the operation for power reliability, power quality and operation effectiveness from now on. Additionally, the companies will jointly explore the opportunities to take this to other parts of India, starting with other locations under operation of TATA Power outside Delhi. The companies have already started the discussion with Odisha Discoms for jointly identifying the potential sites for the same which will be followed by site visits and detailed action plan.



DISTINGUISHED ALUMNUS AWARD AT THE 71ST. CONVOCATION OF IIT



During the 71st Convocation (July 2025) of Indian Institute of Technology (IIT), Kharagpur, India, the Distinguished Alumnus Award were presented to recognize the outstanding achievements of its alumni's. Mr Ravi Seethapathy, GSEF Ambassador-Americas, was among the awardees. The award was given for outstanding leadership in Power Systems and international technical contributions".

The 71st Convocation also featured keynote speeches from prominent figures including Dr. S. Somanath, former Chairman of ISRO, Dr. Anand Deshpande, Founder & Chairman of Persistent Systems, and Ms. Anuradha Acharya, CEO of MapmyGenome.

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SEMICONDUCTORS: THE SILENT REVOLUTION POWERING INDIA'S FUTURE GRID

India's energy transition is not just about replacing fossil fuels with solar, wind, and storage. It is about redesigning the very foundation of our electrical grid. At the heart of this transformation lies a technology often invisible to the public eye but indispensable to progress—semiconductors.

For more than a century, grids around the world—including India's—were built for one-way power flow. Centralized plants generated electricity, and it was pushed outward through substations, transformers, feeders, and line devices to homes and businesses. But today's energy landscape is fundamentally different. Rooftop solar, wind farms, battery energy storage, electric vehicles, and flexible loads demand a two way flow of power and data—with intelligence embedded at every node.

To achieve this, we must rethink the architecture, hardware, and software of the grid. And that is where next generation semiconductors play a critical enabling role.

From Iron to Silicon Carbide: The Rise of Solid State Systems

Traditional grid devices—mechanical transformers, oil cooled breakers, electromechanical relays, and old meters—are reaching their limits in efficiency, reliability, and controllability. A new class of solid state systems is emerging, powered by wide bandgap semiconductors such as Silicon Carbide (SiC) and Gallium Nitride (GaN). Solid state transformers, for instance, are no longer just passive devices. They incorporate high frequency power electronics that can dynamically regulate voltage, improve power quality, and even provide cybersecurity layers. As I wrote in *The Advanced Smart Grid: Edge Power Driving Sustainability*, "The grid must evolve from a mechanical machine to an intelligent, silicon-driven organism—aware, adaptive, and alive with data." India already operates the third-largest electricity grid in the world, serving over 440 million customers. Integrating high-penetration renewables—targeted to reach 500 GW of non-fossil capacity by 2030—requires solid-state transformers and protection devices capable of handling dynamic bidirectional flows without massive new infrastructure investments. Its new smart meter program is a global example of grid modernization and innovation for a better world.

Intelligent Inverters and Converters: The Digital Frontline

Look closely at any solar farm, wind park, or battery system, and you will find inverters and converters as the frontline of the grid interface. Historically, these devices turned DC into AC and little more. Today, powered by advanced semiconductors, they are becoming miniature computers—capable of communicating, predicting, and optimizing in real time.

Modern SiC inverters switch at higher frequencies with far less energy loss—achieving efficiency levels above 98% in many designs. This not only improves power density but also reduces size, weight, and thermal requirements. Just as importantly, they integrate sensors, processors, and communication modules to send data back to control centers and receive commands instantly. In India's ambitious push for 280 GW of solar power by 2030, these smarter inverters are not optional—they are foundational.

Smarter Feeders, Reclosers, and Line Devices

The grid is only as strong as its weakest link. Feeder automation, line reclosers, fuses, and protection devices are being re engineered with embedded compute and connectivity—made possible by microcontrollers, ASICs, and system on chip solutions. Instead of waiting for a human operator, these devices now isolate faults, reroute power, and report status automatically. In rural areas where grid reliability is critical for agriculture and industry, such intelligence translates directly into higher uptime and lower maintenance costs. Add smart meters to the new architecture and you have an end-end powerful and efficient electric machine.

As I noted in my book:

"A self-healing grid is not a dream; it is a design challenge—one that demands semiconductors capable of sensing, switching, and communicating in real time."

Real Time Communications and AI: Managing Complexity

As we add millions of new energy assets—smart meters, solar rooftops, EV chargers, microgrids—the grid becomes exponentially more complex. Semiconductors are the backbone of the real time communications and AI driven analytics required to manage this complexity. Devices at the edge must process data locally, share insights with the cloud, and respond instantly to grid conditions.

At L&T Semiconductors, we see this not as a challenge but as an unprecedented opportunity. By co innovating with policymakers, utilities, grid operators, load aggregators, and OEMs, we can build a grid that is resilient, efficient, and sustainable—not just for today, but for decades to come.



A Call to Action for India's Energy Stakeholders

India is poised to lead the world in grid modernization. But achieving this vision will require close collaboration across government, utilities, and the technology ecosystem. Investing in advanced semiconductor solutions is not just a technical upgrade—it is a strategic imperative to enable a greener, smarter grid. "Every watt and every volt matter when you are redesigning the future," I wrote in *The Advanced Smart Grid: Edge Power Driving Sustainability*. And that future will be powered by semiconductors—enabling the two way flow of both power and intelligence.

The time to embrace this semiconductor revolution is now. Together, we can make India's grid a model for the world.

Article Contributed by Andres Carvallo: Author of *The Advanced Smart Grid: Edge Power Driving Sustainability*, Former Professor of Innovation at Texas State University, and Global Head of Energy at L&T Semiconductors

<http://globalsmartenergy.org/report/category/21>





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FLEXUMERS” – THE EMERGING CUSTOMER CLASS OF THE ELECTRIC UTILITIES

We have seen Consumers moving to Prosumers and Nonsumers in the recent past. The new customer class is the Flexumer! Let us examine who are each of these groups.

Consumers are the traditional electricity customers who consume electricity from the grid and pay their bills while the Prosumers are those who consume electricity as well as produce electricity from their rooftop solar panels (some with micro wind turbines also) and export the energy to the grid. In most parts of the world today utilities promote prosumers through net-metering, gross metering, group net metering and virtual net metering programs. More advanced utilities are promoting peer-to-peer (P2P) trading of rooftop solar energy to incentivize prosumers as well as promote green energy communities.

Nonsumer is a term coined in the last decade for the class of customers who are very sensitive about environmental issues and reduce electricity consumption to the extent possible. Some of them, though connected to the grid, often do not draw grid power and consume only what they generate on their premises. Nonsumers prefer to leverage natural light or ultra energy saving lights; often don't use air conditioners, dry cloths in sunlight rather than dryers; and use clothes without ironing.

Flexumers are the new class of customers who can provide the much needed flexibility services to the grid. A typical Flexumer will follow the generation – meaning consume power when it is surplus (and cheapest) on the grid. The ability to shift their demand to match with the grid surplus conditions is very important for the present-day grid with increasing share of intermittent renewable energy resources such as solar and wind. While a prosumer needs a roof (or land) to install solar panels, a flexumer with a battery energy storage system (BESS) inside a flat can store electricity from the grid when it is cheap and use it during peak hours when power is expensive. Flexumers can even export to the grid during peak hours provided regulations support that. Any electricity consumer who can invest in storage (BESS or EV) or install digital control of his loads to run it according to grid conditions can become a flexumer.

To be fair, I must admit that I came across this flexumer term in an application filed by Korea Electric Power Corporation (KEPCO) for the IGSAN Award of Excellence in 2025 (which will be announced at the Clean Energy Ministerial in August 2025). I have been chairing the International Jury Panel for IGSAN Award of Excellence since 2019. KEPCO submitted the application for their Energy Valley Microgrid Project which demonstrated a host of innovative technologies including the flexumer concept.

Regulators and utilities should look at how consumers can be incentivized to become a flexumer – this is the cheapest and fastest to route to build flexibility for the grid.

Contributed by Reji Kumar Pillai, Chairman, GSEF



STRENGTHENING FINANCIAL VALUATION OF T&D UTILITIES



In earlier GSEF Newsletter articles I have written about "Utilities - the Future Lies in its Past" (Jan 2024) and later "Inflation-Energy-Utilities" (May/June 2024). Today, capital markets are focusing on utilities for their attractive yields. This article examines prudent long-term valuations and maintaining financial health of utilities

In my earlier utility career, I have served in both M&A (97 acquisitions, 500M\$) and large-capex audit (projects >50 M\$) functions. Today, I am still involved in examining a few financial deals in the infrastructure sector.

Regulated monopolies occupy a unique space in investment portfolios. Their asset-backed debt, regulatory oversight, steady dividend yields and a low-beta market correlation, all make for a safer bet for the risk averse debt or equity investor. The notion that regulated monopolies cannot move fast into risky ventures provides a comfort level. While this is true for the most part, sometimes their long-term valuations do become risky.

Regulated monopolies are managed under various oversight "covers", such as (a) operational regulatory oversight; (b) legislative policy oversight; (c) accounting standards oversight; and (d) capital market oversight for debt and equity. In addition, government ownership (wholly or partly) by federal, state/provincial and municipal levels, adds a legislative oversight through periodic updates and nominee board representation.

Utilities in general, due to their capital-intensive nature (debt, equity, project outlays) and essential public services component, often have close dependencies on domestic financial institutions, international financial institutions, and capital markets. In addition, government's electoral interest in utilities is high, as the rate-base is second only to tax-base.

With all these oversight layers, one would think, utilities would be "straight jacketed" against any misleading valuation or market signals. While this is generally true, a few strong motivations do exist for potential shortcuts as utilities deal with (a) large investment outlays (Capex, OM&A, contracts); (b) have substantial positive cash-flows (depreciation, regulated ROA and employee pension); (c) long-term asset-backed debt; and (d) a large customer rate base. Market valuations can be boosted by smaller tweaks here and there. The very strength of a multi-layered oversight model becomes its weakness.

Regulated utilities today, are incorporated under a Business Corporations Act, and conduct their business and financial reporting as though it were a profit seeking entity under a regulated revenue model. Its accounting and financial reporting standards are same or akin to a commercial enterprise. While this allows for a standardized reporting and management approach, it steers away from the fact that such entities are capital intensive monopolies serving an essential national need.

Government fiscal conditions, climate change mitigation and disaster rebuild are putting higher financial stress on utilities to maintain attractive valuations. These include (a) increased regulatory assets to prevent punitive rate hikes; (b) government ownership seeking higher dividends to fund its fiscal deficits; and (c) rising executive bonus and stock options. All at a time, when many utility assets are operating beyond their prescribed useful life and frequent disaster events are causing more power outages.

In my opinion, it is time to tighten and improve a few key aspects of financial management of regulated utilities to prevent long-term decline in their valuations. If left unchecked now, a rate base issue could become a tax base problem later. In the 30 years of breakup of vertically integrated utilities, we have moved away from fundamental concepts of the utility model itself, as in, (a) the utility belongs to its rate base (akin to a mutual insurance model); (b) depreciation expense free cash-flows are to be used towards future asset replacement; and (c) dividend payout has to be within means of its regulated ROA (return on assets) and ROE (return on equity).

Fundamentally, utilities are not akin to and should not be run under business corporations' act. Like financial institutions, utilities should be subject to their own financial "stress tests" with prescribed financial limits to preserve their long-term valuation. The following financial restraints are needed to maintain long-term value in T&D utilities:

1. **Depreciation cash should remain in segregated accounts on the Balance Sheet.** Typically accruing at 4% per year (straight line method), such cash should be safely protected in segregated accounts, mirroring the asset class against which the depreciation was taken. The usage of such funds should be limited only to end of life asset replacement, with only the excess additional capital requirement being sought from the regulator. The compounding effect of this segregated fund will help keep future rate hikes in check.



2. **Dividend payout shall be limited to 60% of ROE.** A typical 8% regulated ROA yields about 13% ROE. This 60% payout limit (7.8% dividend) would be prudent financial management and would allow for net-retained earnings to be deployed in operations or unexpected expenditures. There have been instances (including government ownership) where the dividend payout was more than the utility's entire free cash flow. In a few cases, the utility borrowed money to make up the high dividend.
3. **Balance Sheet shall not be "lent" in Joint Ventures.** Harmless as it may seem, in many cases there is a compelling argument to bolster a JV with a strong utility balance sheet. This is particularly relevant in government or private EPC owned utilities to promote an affiliated business thrust. Examples include EV charging, solar rooftop PV, distributed energy resources, etc. This poses a liability and risk in lawsuits.
4. **Maintain a High Investment Grade Bond Rating.** This is particularly relevant to smaller utilities. Utility debt is high grade to begin due to regulation and power asset collaterals. However, this can degrade over time due to increased borrowings in high turnover or obsolescence systems such as IT, MDMR, AMI, Data Storage, Telecom and other backend systems essential to a utilities business. In such cases it would be prudent to lease (albeit at a higher operating cost) rather than trying to own and manage obsolescence.
5. **Employee Pension Funds Should Not be Managed Internally.** Many government-owned entities in the developing world manage this pool internally with disastrous consequences. These funds should be kept segregated externally at arms-length to ensure solvency when pension payout is needed.

The above reforms are crucial for long-term healthy valuations of T&D utilities. It ensures valuable cash is retained inside the utility for future investment, enabling lower future rate hikes. A strong balance sheet ensures stable future dividends. It also makes it harder for owners to harvest the utility for higher dividends today and then sell it off later with the ratepayer (and/or the taxpayer) picking up the shortfall.

Globally, there are many T&D franchise model concessions opening for bid and/or renewing (particularly in the developing world). Given current financial conditions, renewals are less likely from existing franchisees. The value of a T&D utility lies in its 40-year discounted cash flow model. Given over-extended asset life and the need for higher dividends, it can only be managed by very steep rate hikes, disproportionate to rate of inflation or customer affordability. This does not bode well for a critical infrastructure industry, unless we ensure their long-term financial well-being now.

Article contributed by Ravi Seethapathy, GSEF Ambassador for Americas

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17th Latin American Smart Grid Forum,
São Paulo, Brazil
<https://www.smartgrid.com.br/eng>

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Clean Energy Ministerial, Busan, Korea
<https://www.cleanenergyministerial.org/>

9th - 11th September, 2025

Enlit ASIA, Bangkok, Thailand
<https://www.enlit-asia.com/>

17th - 18th September 2025

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<https://www.datacenter-asia.com/jakarta/>

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www.congresasea.com

07th - 08th October, 2025

Innovation for Cool Earth Forum, Tokyo
<https://www.icef.go.jp/>

27th - 31st October 2025

Singapore International Energy Week,
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<https://www.siew.gov.sg/>

3rd - 6th November, 2025

ADIPEC 2025
ADNEC, Abu Dhabi, United Arab Emirates
www.adipec.com

18th - 20th November, 2025

Enlit Europe, Bilbao, Spain
<https://www.enlit-europe.com/>

02nd - 05th February 2026

DistribuTech International,
San Diego, CA, USA
<https://www.distributech.com/>

04th - 06th February 2026

Korea Smart Grid Week 2026
COEX in Seoul, South Korea
<https://www.ksga.org/eng/business/KSGW/about.do>

10th - 14th March 2026

12th India Smart Utility Week (ISUW
2026), New Delhi
<http://www.isuw.in/>

17th - 19th March 2026

EN26 Conference & Exhibition, Adelaide
Convention Centre, South Australia
<https://www.energynetworks.com.au/events/en26-conference-exhibition/>

25th - 27th March 2026

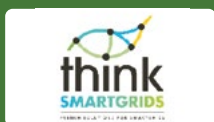
ASEAN (Bangkok) Smart Energy & Energy
Storage Expo 2026, Bangkok, Thailand
<https://www.aseancleanenergyexpo.com/>

30th March -1st April 2026

Egypt Energy Show - Egypes, Cairo, Egypt
<https://shorturl.at/tahpe>



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