

INFRAINSIGHTS

BRICKS, BYTES AND BUSINESS



Avelia Stream Nordic X80 is a Swedish high-speed train by Alstom

INFRABytes

Reliance Set To Launch Green Energy Giga Factories Within Next 6 Quarters

Reliance Industries is building a clean energy gigafactory in Jamnagar, set to start operations in 4–6 quarters. It will produce solar panels, batteries, electrolyzers, and green hydrogen systems, cutting energy costs by 25%.

India's Cities Need \$2.4 Trillion By 2050 For Climate-Resilient Growth

India's urban centers need over \$2.4 trillion by 2050 (rising to \$10.9 trillion by 2070) for resilient, low-carbon infrastructure—vital to support nearly 1 billion people, avert \$30 billion/year in flood losses, save 130,000+ lives, and create jobs.

Vadhavan Port To Add 23.2 Million TEUs To India's Maritime Capacity

Vadhavan Port on the IMEC corridor will add 23.2 million TEUs to India's capacity, aiming to make it a global maritime hub with advanced infrastructure and higher cargo throughput.

Did you know ?

China boasts the world's longest high-speed rail network, exceeding 45,000 km. It significantly connects major cities, revolutionizing travel and economic development.

Alstom Q1 2025/26: Strong Commercial Start, Outlook Reaffirmed

In the first quarter of FY 2025/26 (April–June), Alstom reported €4.1 billion in orders and €4.5 billion in sales, marking a 2.8% year-on-year increase. Despite a 2.7% foreign exchange impact and a 1.5% drop due to the sale of its North American signalling business, the company achieved 7.2% organic sales growth as of June 30, 2025.



NTPC Green Signs Deal For 300 MW Renewable Projects in Goa

NTPC Green Energy Ltd, through its subsidiary NTPC Renewable Energy Limited (NTPC REL), has signed an MoU with the Goa Energy Development Agency (GEDA) to develop over 300 MW of renewable energy projects in Goa. The agreement also includes provisions for energy storage facilities. This collaboration aims to support Goa's transition to clean and sustainable energy.

White House announces infrastructure priorities

U.S. Transportation Secretary Sean Duffy launched the "America is Building Again" agenda ahead of the Surface Transportation Reauthorization. The plan emphasizes streamlining project permitting by reforming the National Environmental Policy Act (NEPA) and advancing the "One Federal Decision" framework. A landmark agreement with Texas DOT delegates environmental permitting authority to the state, serving as a national model. Duffy also announced \$488 million in BUILD grants for 30 infrastructure projects across the U.S., including bridges and flood resilience. The agenda prioritizes safety, private sector investment, and reduced bureaucratic delays through stronger state partnerships. The vision reflects a shift toward faster, more decentralized infrastructure delivery with close collaboration between federal and state agencies to ensure timely execution and funding.



Afcons Wins ₹ 45.4 Billion Croatia Road project

Afcons Infrastructure, a subsidiary of the Shapoorji Pallonji Group, has secured two major road construction contracts in Croatia valued at ₹4,535 crore, awarded by Croatian Motorways. These projects involve building two critical stretches—one 9 km and the other 11.5 km—scheduled for completion within 42 months. In a major boost to its European presence, Afcons has also emerged as the lowest bidder for a ₹6,800 crore railway modernization project on the Dugo Selo–Novska line. This project includes reconstructing existing tracks, adding a second line, electrification, and modern signaling and telecom systems, with a 72-month timeline. With recent project wins across Africa and the Middle East as well, Afcons is rapidly expanding its international infrastructure portfolio and global market footprint.

UK Unveils Infrastructure Pipeline

The UK government has launched a £530 billion Infrastructure Pipeline featuring 780 major projects over the next 10 years. Managed by NISTA, this interactive tool provides real-time updates on public and private sector investments across transport, energy, digital, health, education, and defense. It supports the 10-Year Infrastructure Strategy by enhancing investor clarity, boosting confidence, and fostering skills development along with supply chain growth.

Malaysia To Establish Data Centre Framework

Malaysia will launch a unified data centre regulatory framework in October, with MIDA as the sole approving agency. Aimed at streamlining approvals and guiding sector growth, the move responds to rising AI-driven demand and major investments from Microsoft, Nvidia, Google, and ByteDance. With data centre capacity set to quadruple in a decade, the framework will boost investor confidence, support a sustainable digital economy, and improve inter-agency coordination.



Brazil Secures Major Green Infrastructure Funding Boost

On July 24, 2025, the Asian Infrastructure Investment Bank (AIIB) announced a \$160 million loan to BTG Pactual, Latin America's largest investment bank—its largest private-sector deal in Brazil. The seven-year partnership will fund climate-resilient infrastructure projects, including clean energy, sustainable urban development, and low-emission technologies. The investment aligns with AIIB's global green strategy and deepens its presence in Latin America. By partnering with a key regional player, AIIB aims to unlock private capital, enhance project viability, and support Brazil's low-carbon transition, while fostering innovation, job creation, and long-term economic resilience.



India's Record Renewables Rollout Moves It Closer To 2030 Goal

India added 22 GW of renewable energy capacity in the first half of 2025, marking a 56% year-on-year increase and setting a new benchmark in its journey toward the 2030 target of 500 GW non-fossil fuel capacity. For the first time, the total installed capacity of clean energy sources including solar, wind, hydro, and nuclear has surpassed fossil fuels. June witnessed a sharp spike, with installations rising 420% year-on-year and 7.3 GW added in just one month. Solar energy leads with 117 GW, followed by wind at 51.7 GW, driven by declining tariffs and growing investor confidence. Despite this growth, coal remains the dominant source of electricity generation. Experts caution that without major investments in energy storage and grid infrastructure, this momentum may slow, jeopardizing India's net-zero emissions goal.

India Achieves Record 22 GW Renewable Energy Addition, Solar Leads 2025

In H1 2025, India added a record 22 GW of renewable energy- a 57% rise over the same period in 2024 and the highest-ever six-month increase. Solar led with 18.4 GW, followed by 3.5 GW of wind and 250 MW of bioenergy. This rapid growth was driven by developers rushing to benefit from the ISTS charge waiver, which will begin phasing out in 2026. India's total installed renewable capacity, including large hydro, now stands at around 234 GW. This positions the country among the global leaders in renewable energy deployment. However, fossil fuels still accounted for about 75% of power generation, showing continued and significant reliance on coal. To support clean energy integration, 7.6 GW of battery energy storage systems (BESS) were allocated across solar-plus-storage and standalone projects. These systems are expected to play a key role in balancing supply and demand, enhancing flexibility, and improving grid reliability.



Telangana Allocates ₹4.3 Billion for Iconic Bridge

The Telangana government has revised the budget for the iconic Mir Alam Tank bridge project, increasing the allocation from ₹3.63 billion to ₹4.30 billion. The bridge will be constructed under the Engineering, Procurement, and Construction (EPC) model through the Musi Riverfront Development Corporation Ltd (MRDCL). This revision supersedes the earlier approval from March 2024. Land acquisition is ongoing, and the tendering process has commenced. A Project Management Consultancy (PMC) will be appointed to oversee project supervision, quality assurance, and auditing. The EPC contractor's technical designs will be reviewed and vetted by premier institutions such as IIT-Hyderabad, or NIT Warangal after PMC approval.

NHAI Tests GlasGrid RAPID For Highway Cracks

NHAI is testing GlasGrid RAPID technology on the Chennai-Bengaluru highway (NH-44) to prevent cracks and improve road durability. The pilot is being conducted on two stretches in Vellore (1.2 km) and Tirupattur (2 km).



Developed by Saint-Gobain Adfors, this high-strength fiberglass mesh is applied over cracked surfaces before a 40 mm bitumen overlay, preventing reflection cracking. Unlike traditional milling, it's faster and more cost-effective. NHAI will monitor trial sections for 1-2 years before wider adoption. The pilot is part of a broader highway upgrade plan including resurfacing and enhanced safety measures, improved steel medians and enhanced road markings.

World Bank: India Poised to Lead Resilient Urban Development

The World Bank's report "Towards Resilient and Prosperous Cities in India" highlights a critical chance for India to steer its rapid urban growth toward climate-resilient, inclusive development. With the urban population projected to hit 951 million by 2050, 144 million new homes are needed by 2070. Unplanned urbanization is worsening heat and flood risks, potentially causing USD 30 billion in flood losses and over 130,000 heat-related deaths. However, since much of future infrastructure is yet to be built, India can still adopt climate-smart planning—investing in resilient housing, transport, waste systems, green spaces, and private-sector-backed finance—to ensure long-term safety and prosperity.





ANSHUL BHARTI
 CAMPUS AMBASSADOR-
 TVS CREDIT EPIC 7
 PRESIDENT, PMI CLUB
 MBA-IDM
 SCMHRD'26

SCMHRD Gears Up for TVS Credit EPIC Season 7

Business schools thrive on challenges that push students beyond textbooks. One such platform is the TVS Credit EPIC Season 7, a national-level case competition built on the pillars of Enrich, Perform, Innovate, Challenge.

Organized by TVS Credit, whose motto is "Empowering India, One Indian at a Time", the competition spans IT, Analytics, Strategy, and Finance tracks. It includes MCQ rounds, case studies, mentorship by senior leaders, and a Grand Finale featuring direct interaction with TVS Credit's leadership team.

The stakes are high:

- Prizes worth ₹2.25 lakhs (Winner ₹1,00,000; 1st Runner-Up ₹75,000; 2nd Runner-Up ₹50,000)
- Pre-Placement Interview opportunities for select finalists
- The coveted EPIC College Trophy for the campus with the maximum registrations
- Winners also get a chance to be featured in BW Businessworld

For SCMHRD, this is more than a competition; it's a chance to shine nationally. With strong participation, our campus could bring home not just individual wins but also the Champion Trophy.

Registrations close on 3rd August 2025 via Unstop (unstop.com/college-fests/epic-season-7-tvs-credit-374227).

SCMHRD, let's make this journey truly EPIC.

MR. VINAYAK PAI MANAGING DIRECTOR

Tata Projects Limited appointed Mr. Vinayak Pai as Managing Director on July 22, 2022, succeeding Mr. Vinayak Deshpande, who retired after more than 11 years. Mr. Pai brings over 30 years of experience in engineering and EPC sectors, having held leadership roles in engineering design, technology licensing, project management, business development and operations.



Before joining Tata Projects, he was Group President at Worley in the Hague, overseeing the EMEA and APAC regions. Mr. Pai has global experience across energy, chemicals, infrastructure, and natural resources, known for executing complex projects and driving growth. He holds a Bachelor's degree in Engineering from the College of Engineering, Pune, and completed management studies at Symbiosis Pune and IIT Bombay. Mr. Pai aims to focus on project excellence through safe, digitally enabled delivery, sustainable and profitable growth, and enhancing skills and opportunities for a diverse workforce at Tata Projects.

INFRA Shorts

- L&T secured construction orders worth ₹2,500-5,000 crore in July 2025 for projects in Amaravati (Andhra Pradesh), Mumbai high-rises, and Muscat office towers, while also announcing India's largest green hydrogen plant.
- PM Modi launched ₹4,900 crore TN projects, including Tuticorin Airport's new terminal. He stated, "Infrastructure and energy are development's backbone."
- Mangalore Airport projects significant growth, aiming for 6 million annual passengers by 2035 and 18 million by 2070, vital for regional development.
- PM Modi launched infrastructure projects worth over ₹12,000 crore in Bihar and West Bengal on July 18, 2025, including railway doubling projects, highway four-laning, and Vande Bharat maintenance facilities.
- The NRC approved Holtec's request to restart Michigan's Palisades nuclear plant, aiming for a late 2025 reopening to meet rising power demand.
- India-UK FTA grants duty-free access to 95% of farm exports, eyes 20% export surge in 3 years

