



PhilTower and PowerX Transform Mobile Tower Infrastructure, Achieving Significant Cost and Energy Savings

Manila, Philippines, 22 August 2024 – Phil-Tower Consortium Inc. (PhilTower), the Philippines' leading tower company, in partnership with PowerX, the premier data intelligence platform for optimising tower energy infrastructure, today announced the transformative results of their year-long strategic collaboration. This partnership, initiated in late 2023, and now extended from the original 1,350 sites to 3,500 sites, has delivered substantial capital expenditure (CapEx) and operational expenditure (OpEx) savings, enhanced operational efficiency, and significant reductions in energy usage across PhilTower's network.

In the six months since PhilTower began leveraging PowerX's AI-driven data intelligence, it has successfully identified and eliminated diesel generators (DG) at 50% of its locations, transitioning to battery backup systems. This move has yielded nearly half a million USD in generator OpEx savings and reduced annual CO₂ emissions by over 700 tons. The streamlined operations, enabled by reduced DG usage and full visibility into the tower estate, have lowered maintenance costs, decreased Mean Time to Repair (MTTR) by 30%, and increased network availability to 99.98%. This has boosted telecom customer data usage and revenue while reducing annual OpEx by an additional half a million USD in fuel savings.

Furthermore, comprehensive battery health assessments and targeted investments of over \$2.8M USD into battery replacements and upgrades are set to optimise backup capabilities while right-sizing CapEx. The automation of reporting and decision-making processes has also reduced operational workloads and improved the efficiency of alarm and trouble ticket management through closed-loop operational workflows - reducing the need for human intervention.

Looking forward, PhilTower is set to continue its modernisation journey with initiatives including hybrid power installations, solar energy integration, cooling optimisations, and power system consolidations. Armed with critical insights into the health status of its network and energy growth projections, PhilTower anticipates saving over \$1.5M USD in the coming year and reducing CO₂ emissions by nearly 10,000 tons annually - reinforcing PhilTower's commitment to sustainable, efficient, and cost-effective tower operations. These initiatives are extended with an additional 2,000 towers across the region when PhilTower completes its anticipated merger with Miescor Infrastructure Development Corporation (MIDC), bringing the estate to a total of 3,500 optimised towers.

Devid Gubiani, CEO at PhilTower, stated: "Applying data science tools and optimisations to over a thousand sites within half a year is a significant milestone for PhilTower. Our commitment to digitalisation has transformed our network, enabling rapid sale and leaseback transitioning, full remote asset visibility, efficient operations, and data-driven decisions that optimise CapEx and OpEx - passing those savings to our customers while increasing uptime by three hours per site per month

“We now have the tools to maximise asset leverage and drive revenue, creating a 21st-century tower network with next-generation maintenance and proactive energy efficiency plans. With PowerX, we optimise our distributed assets using a range of KPIs and have set ambitious targets to deliver substantial growth and value to our stakeholders, including unparalleled service to our mobile operators and ambitious carbon reduction initiatives.”

Andrew Schafer, CEO at PowerX, commented: “We are delighted that PhilTower is seeing immediate and strategic benefits from the data-driven optimisations and automation provided by the PowerX platform. This collaboration highlights our pioneering role in leveraging deep data analytics, AI, and machine learning to deliver outstanding network efficiency. The PowerX platform has empowered PhilTower’s teams to drive operational excellence, enhancing asset and energy performance and integrating data intelligence for future energy programs. Together, we are raising the bar, setting a new standard for network intelligence and site efficiency in the Philippines.”

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About PhilTower

PhilTower is an Independent Tower Company in the Philippines registered with the Department of Information Communication and Technology. PhilTower designs, builds and operates digital infrastructure in partnership with Mobile Network Operators (MNO). It is a joint investment between Macquarie Capital and Pan-Asian Digital Shared Infrastructure group: Global Network, Inc. With a comprehensive portfolio of deployment, PhilTower also provides innovative outdoor solutions such as camouflage sites, micro poles, green towers, and smartpoles.

Find out more: www.philtower.net

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About PowerX Technology

PowerX, a global Software-as-a-Service company, provides the market-leading data intelligence platform for managing and optimising energy assets. The platform’s advanced data science tools and workflows, integrated with enterprise business processes, deliver efficiency, resilience and sustainability for critical asset operations. In telecommunications, for example, the PowerX solution has achieved auditable 15%-30%+ energy and maintenance cost reductions, asset utilisation improvements, CO2 emission reductions and revenue assurance. PowerX is a highly scalable, hardware agnostic platform that is quick and easy to deploy. The solution leverages AI to automate improvements and processes at scale helping operational teams identify inefficiencies, prioritise responses and manage to resolution with detailed diagnostics and integrated workflows. The result is enterprise-wide visibility, specific insights and automated control actions, with increased workforce productivity, reduced cost and site-level efficiencies at scale across large, distributed estates.

Find out more: www.powerx.ai

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