

Megmar to deploy PowerX AI to cut greenhouse emissions and costs at 100 Angolan cell tower sites.

Game-changing partnership between MEGMAR's Multi Operator Hybrid Power solutions and PowerX AI automation will autonomously optimize performance and supply live maintenance information to tower network operations centres.

Johannesburg, South Africa, 12 October 2022: Today at TowerXchange, PowerX Technology, the first AI platform to optimise tower infrastructure performance; and Megmar Holdings, the telecoms infrastructure solutions provider, announce the first stage roll-out of breakthrough technology for telecom tower operators.

The solution promises to lower costs and greenhouse emissions from cell towers in rural Angola. It is an innovation that takes the industry forward in two giant technical leaps; firstly, by unlocking data intelligence to redefine remote monitoring, site operations and maintenance for entire cell tower networks and its equipment, and then by using AI to drive autonomous continuous site-level improvement at scale.

Megmar's deployment of PowerX will enable the local tower company's Network Operations Centre [NOC] to see at-a-glance sites where resilience is at risk or which sites are running inefficiently, something they would otherwise be unable to do. The system also learns from past usage behaviour and even live weather reporting to automatically adjust load balancing and power usage to optimise performance with no manual interventions.

For tower operators, this means they will no longer need to estimate when a component is nearing its end of life, is malfunctioning or if power reserves are running short. Instead, they will be able to engage in real-time with detailed operational information and dispatch engineers to solve problems only when they are needed, and with the right equipment to hand.

Importantly, from energy use and cost per kWh, to managing the load on individual sites, the PowerX AI software deployment in Megmar tower cabinets will relay back to the NOC exactly how individual sites are running, and take in a range of data streams to autonomously optimise site behaviour to meet market needs and manage costs.

Justin Head, CEO at PowerX, said, "Megmar's expert local market knowledge, energy and openness enabled us to work closely together to calibrate the PowerX AI. Together, we have built a solution to meet their clients' financial and environmental objectives in a way that no other solution could. We are now managing the load and energy requirements of the tower site without human interaction, in real time – it's a radical new way of doing things."

Andre Herbst, CEO of Megmar, said, "Managing and maintaining cell towers in Africa is a complex and unpredictable task. When things go wrong on a site, which they eventually will, an engineer must often travel far to remote locations over rugged terrain in burning heat. Properly diagnosing the problem can often only be done on-site, so the engineer might not even have all the right kit in their truck.

PowerX changes the game completely. It not only increases cost predictability for CFOs and reduces greenhouse gas outputs to help firms meet their environmental commitments, but

the information it produces saves countless man hours and increases the length of life of expensive tower components.”

One aspect of predictive maintenance is that it makes planning operational site visits much more predictable and cost-effective, while significantly reducing downtime by addressing problems before they become catastrophic.

Herbst continued, “Megmar puts towers up in some of the most rural locations in Africa. We see first-hand that these towers lift local communities’ aspirations. If a tower goes down, especially if it is for an extended period, the impact on local education, business and prosperity can be profound. By reducing downtime and costs, the PowerX solution is a lifeblood for these communities, keeping them connected to the world. I admit I was sceptical when I first heard about it, but I would now be shocked if this does not become the norm in the industry over the next 5-10 years.”

Notes to Editors

PowerX Technology, a UK-based company, is the first to put AI at the heart of daily operations to boost the performance and efficiencies of mobile towers. With PowerX’s AI-led data-driven approach, tower operators can monitor, control, and apply site-level efficiencies at scale for thousands of towers across entire networks in real time. PowerX helps tower companies and mobile operators internationally harness their tower data to build infrastructure resilience, optimise operations, and reduce both cost, and carbon emissions in a sustainable and scalable way.

Megmar Holdings provides infrastructure solutions to the telecommunications industry. Its unique hands-on approach to engaging with tower operator companies brings the practical capability to create new towers in half the industry standard time, with the strategic and technical capability to build and deploy solutions that meet the industry’s evolving demands. Officially headquartered in Dubai, the company has extensive operational experience throughout the African continent.

FOR MORE INFORMATION OR TO ARRANGE AN INTERVIEW, PLEASE CONTACT

Mark Pinnes

Upside-PR

mark.pinnes@upside-pr.com

+44 (0) 7595 068 054