APQX announces strategic collaboration with Nathan Budd to advance equestrian performance technology

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International rider partners with Scientific Machine learning (SCiML) leader to help take show jumping to the next level.

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APQX, an emerging innovator in performance technology, proudly announces a strategic collaboration with equestrian expert Nathan Budd to support the development of its groundbreaking platform for the equestrian show jumping community.

Through this partnership, Nathan Budd will bring his extensive expertise, knowledge, and hands-on experience of the equestrian show jumping world to APQX, providing critical advisory support as the platform evolves. Nathan's role will include offering strategic guidance, sharing best practices from the sport, and providing valuable access to his yard and stable of horses to assist in real-world application and testing. His deep involvement and use of the product will help ensure the platform is both practical and highly relevant to the needs of riders, trainers, and the wider equestrian community.

As technology meets tradition in a sport as well known for its style, poise and glamour as for its skill, the equestrian world has identified a growing need for innovation to help migrate it to the next level of excellence. Unique among sports in its trust-based interaction between human and animal to deliver winning outcomes, show jumping has considerable potential for enhancements in performance, safety, behavior and wellbeing, from harnessing developments at the edge of technological progress: data analytics, simulated riding environments, wearable technology and much more. The outputs from a holistic platform capable of simultaneously processing and assimilating many levels of information include important course adjustments, design and highly optimized training sessions. Ultimately, it can transform the way athletes and horses train and compete.

Welcoming the collaboration, Greg Tallant, Chief Technology Officer at APQX , said:
"We are excited to partner with Nathan Budd, whose respected voice and proven experience in equestrian sport will be instrumental in shaping our platform. His perspective will help us build something that truly supports the next generation of riders and elevates the sport as a whole."

Nathan Budd added:
"I'm thrilled to be collaborating with APQX to help develop a platform that can make a real impact within show jumping. It's an exciting opportunity to bring meaningful innovation to a sport I'm passionate about."

This collaboration reflects APQX's ongoing commitment to combining expert insight with innovative solutions to advance equestrian performance.

About APQX LLC

APQX specializes in design and optimization of highly engineered complex products, systems and processes using a proprietary combination of cutting-edge digital twin / digital thread technologies, scientific machine learning (SciML) and High-Performance Compute (HPC). By creating high-fidelity virtual replicas of physical systems and processes, combined with advanced modelling and simulation techniques, we enable real-time performance monitoring, predictive analytics and design optimization, accelerating innovation, reducing costs, and reducing risk.

About Nathan Budd

Nathan Budd is an accomplished international show jumper and a member of the Belgian National Team. With multiple podium finishes across major European competitions, Nathan is recognized for his skill, consistency, and commitment to the sport. He currently holds a world ranking of No. 439 (Longines Rankings, 31 May 2025) and continues to be a respected competitor and advocate for advancing equestrian performance.