

# Real-world testing, real fast results

Time to market is a perennial hot topic of conversation in the mobile machine industry. In an era where new regulations and performance expectations have a significant impact on mobile machine development, Danfoss is taking on the challenge to help OEMs get their machines to market faster.

To meet the challenge, Danfoss utilizes Application Development Centers (ADCs) located in the United States and Denmark — with a new facility soon opening in Haiyan, China — to discover new ways to advance machines' key systems. At the ADCs, Danfoss works with OEMs to perform rigorous tests on a wide array of equipment to demonstrate and refine results, reducing time to market.

Gaining a thorough insight into OEM challenges is the first step. Then specific solutions are developed utilizing the in-depth knowledge of Danfoss engineers and working directly with OEM customers. Once implemented on a test vehicle, OEMs can see the solutions in action as the machine is operated in a wide range of terrain and grown conditions that replicate real-world or extreme situations.



Test sites include a steep-grade gravel slope, a high-speed test track, a muddy field, an aggregate pile, a slip strip incline, earthmoving sites and more. At an ADC, the most extreme winter-like road conditions can be tested even in the hottest months of summer.

Functional safety can also be improved with strategies that include a wide variety of safe electrohydraulic steering solutions, helping protect operators while giving manufacturers the advantage of faster and less expensive safety certifications.

Refinements on any upgrades can be made as needed until a total system solution is reached — one that can be easily and efficiently incorporated into an existing production schedule.

As one team, Danfoss engineers and OEMs work smarter, not only reducing the time it takes to implement solutions but also reducing risk and cost so your machines get to market faster and more cost-effectively, where they can stand out from the competition and make a difference where it counts.