



CM Labs Intellia

IMAGE SOURCE: CM Labs Simulations Inc.

CM Labs Plants Its Flag in Germany: Intellia Workforce Training System Meets Germany's DGUV Safety Standard

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- CM Labs Simulations officially enters the German market with its Intellia Workforce Training System, aligning with the company's European expansion plans.
- The Intellia system meets all five technical criteria of Germany's DGUV safety standard, enabling formal regulatory recognition for simulation-based heavy equipment operator training.
- The system offers realistic immersive displays, authentic audio feedback, advanced motion simulation, and high-fidelity environmental modeling to ensure effective skills transfer.

- **Intellia integrates simulators, structured curriculum, and training management software into a unified platform, supported locally by experienced leadership to serve the DACH region effectively.**

Canadian-based simulation leader expands its European presence with proven training technology that satisfies the technical criteria set by Germany's statutory accident insurer.

CM Labs Simulations, the leading vendor of simulation-based training solutions for the construction, utilities, and ports industries, today announced its formal entry into the German market, a decisive step in the company's European growth strategy. At the centre of this expansion is the Intellia™ Workforce Training System, which meets all five technical criteria defined by DGUV (Deutsche Gesetzliche Unfallversicherung) report FBHL-019 for the use of simulation systems in the qualification of heavy equipment operators.

Germany is one of the few markets in the world where simulation-based training for heavy equipment operators carries formal regulatory recognition. Issued in September 2021, DGUV report FBHL-019 permits the use of simulation for the qualification of operators of selected mobile work equipment, including cranes and earthmoving machines, provided the system satisfies a defined set of technical requirements. Having already met those requirements, CM Labs demonstrated the system's real-world applicability by certifying an operator live on a simulator at Bauma 2022, making the German market a natural target for the company's international expansion.

"Operators of mobile machinery in the DACH region are highly safety-conscious, and the German training framework is open to simulation-based solutions that meet rigorous standards. DGUV report FBHL-019 lists five criteria our Intellia system more than satisfies and we see strong momentum ahead," said David Junca, Vice President EMEA, CM Labs Simulations.

Meeting the DGUV Standard: All Five Criteria Satisfied

DGUV FBHL-019 stipulates that simulation systems used for operator qualification must deliver realistic equipment operation, real-world scenarios that reinforce safe working habits, and problem-solving exercises that develop sound judgment for avoiding near-miss incidents and injuries. The five technical criteria the system must satisfy are:

- **Realistic immersive display** (such as a curved or five-sided enclosure)
- **Acoustic feedback** replicating audio cues common on the job site (engine sounds, alarms, and other environmental cues)

- **Realistic motion system** with five or more degrees of freedom
- **Faithful replica of a typical worksite** to give operators meaningful operational context
- **Realistic, high-quality simulation model** covering real-time vehicle behavior, steering, vibrations, material behavior, and environmental scenarios such as night/day cycles, wind, and precipitation

The Intellia Workforce Training System is built on CM Labs' proprietary Vortex® Studio platform, a physics-based simulation engine validated through rigorous daily testing and supported by more than 300 academic papers. Its patented technology replicates authentic machine behavior with engineering-grade accuracy, producing a seamless skills transfer from simulator to live equipment.

A Complete Training System, Not Just a Simulator

The Intellia Workforce Training System integrates high-fidelity simulators, structured curriculum, training management software, and expert services into one connected training ecosystem. German organizations can deploy a single system across multiple equipment types and locations, managing operator progress, performance data, and certification readiness from a unified instructor interface.

Local Expertise, Pan-European Reach

CM Labs' German-market engagement is led by Alexandra Herrmann, who brings an engineering background and deep industry relationships across construction, large rental companies, crane and hoisting equipment manufacturers, and the quarry and mining sector. She is supported by David Junca, Vice President EMEA, based in Paris, who oversees CM Labs' broader European strategy. Together, they give organizations across the DACH region direct access to the full Intellia product line and to CM Labs' global network of simulation specialists.

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