



Concept-X2 machines

IMAGE SOURCE: DEVELON

DEVELON Technologies and Smart Construction Platform Being Shown at CONEXPO-CON/AGG

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Looking to the future of construction, DEVELON demonstrates its newest innovations

DEVELON, formerly known as **Doosan** construction equipment, is demonstrating its commitment to the future of construction sites with updates to its Concept-X and XiteCloud smart construction platform during CONEXPO-CON/AGG 2023.

Concept-X was unveiled in 2019 as the world's first automated construction solution. At a demonstration of Concept-X in Korea, attendees witnessed autonomous construction equipment performing everyday job site tasks.

DEVELON is unveiling the latest developments to the technology-based solution in an updated version called Concept-X2. The newest iteration of the solution includes the following updates:

- New dozer added to autonomous equipment line-up
- Autonomous driving and blade control based on global navigation satellite system (GNSS)
- Automated 3D grading with tiltrotator accessory
- Enhanced machine-learning-based auto digging and loading
- Integrated work planning algorithm applied
- Advanced E-Stop safety technology

The Concept-X2 autonomous construction equipment in the DEVELON booth includes the DD100-CX dozer and DX225-CX crawler excavator. Both machines feature a new cabinless design and a linear core design language. Three times a day, a live demonstration of the autonomous construction equipment will take place in the demo pit in the DEVELON booth.



DX225-CX excavator

IMAGE SOURCE: DEVELON

XiteCloud Smart Construction Solution

As part of the innovation area of the DEVELON booth, the company will promote the latest developments of its all-in-one smart construction platform: XiteCloud.

With XiteCloud solutions, a customer can manage multiple tasks such as surveys, terrain analysis, machine purchases, equipment operation and construction management on a single platform, thereby reducing construction costs and saving time while increasing work accuracy, which in turn raises productivity. XiteCloud also allows customers to manage multiple projects on a single platform, accumulating and managing data that can be utilized for future decisionmaking/business.

The advanced automation technology is commercializing in phases. Customers can digitize their construction site with innovative management, field and safety solutions. A range of new solutions that form part of the XiteCloud system cover many aspects of construction management. These include:

- XiteFleet
- XiteAuto
- XiteAnalyst
- XiteSafety

XiteFleet provides real-time fleet monitoring with location tracking and operation monitoring. XiteAuto commercializes the current and future technology that DEVELON is developing from 3D machine guidance to automation. XiteAnalyst is a digital twin-based earthwork analysis/management solution. XiteSafety offers safety management, including preventing collisions between construction equipment and workers.



DX225-CX excavator

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EXCAVATORS

DOZERS

CRAWLER EXCAVATORS

EXCAVATOR