

A touch of Genius

THIRTEEN COMPANIES COLLABORATED AS PART OF THE CAB CONCEPT CLUSTER TO DELIVER A CONCEPT THAT WAS THE TALK OF BAUMA. HERE ARE THE KEY ELEMENTS IN A NUTSHELL



Cab manufacturer **Fritzmeier** created the modular structure, which consists of an aluminum soft cab and a hybrid steel ROPS/FOPS attached to the outside



Hella provided the LED work lights, signature light, interior lighting, vehicle key, transponder system, accelerator pedal and rain-light sensor



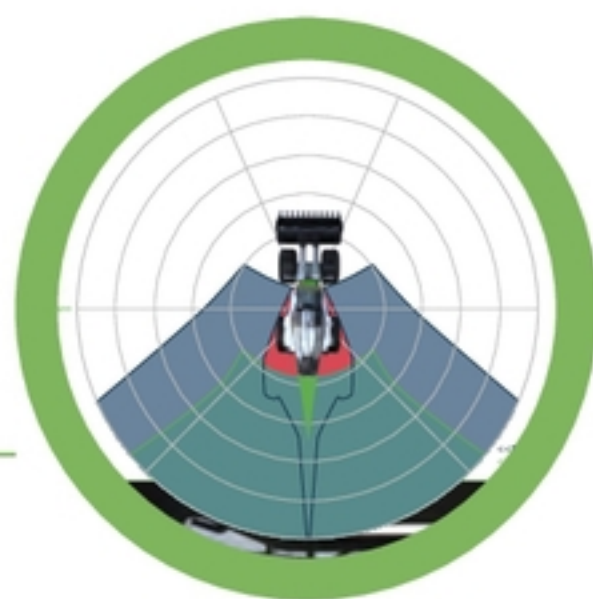
Cloud-based access and identity management from **Savvy Telematic Systems** controls access to authorized vehicle functions and enables custom configuration of the workstation



Grammer provides an ergonomically optimized complete seating system, which comprises a suspended operator's seat featuring electrically configurable features, multifunctional armrest and 12in multitouch display designed in association with **Dresden University of Technology** (for more details see page 111)



Superb all-round visibility results from **Mekra Lang's** mirror-replacement system (a camera/monitor system on either side of the cab) and a rearview camera system that displays pictures on the operating terminal



Aurora's Vario modular HVAC unit features a central CAN controller to enable single- or multi-area climate zones



Efficient aluminum refrigerant pipes from **SMA Metalltechnik** using the countercurrent principle extract more energy from the evaporator to boost cooling efficiency



Hydac's CabinAirCare modular filter system is employed for optimum protection against dust, nanodust and harmful gases. RFID monitoring of filter soiling prevents unnecessary replacement

The body computer – the heart of the Genius Cab – enables implementation of a centralized network architecture, reducing the number of supply cables, relays and fuses, and is supplied by **Bosch**



Inspired by a cut diamond, the design of the cab was provided by **Lumod**. The emphasis on system integration and brand-building elements is evident in the protection rails positioned in the blind spot of the A-pillars, but they also serve as handrails, cable conduits and heat sink for the integrated work lights



On the Web

For more detailed information, see: www.iVTInternational.com