

Same-Deutz-Fahr Group is AEF member 100

The AEF has recently admitted the “Same-Deutz-Fahr” Group (SDF) as member number 100. The foundation strongly appreciates SDF’s membership as one of the important agricultural machinery manufacturers worldwide, said an AEF spokesman: “SDF could also help establish more intensive co-operation between the AEF and the Italian industry”.

AEF establishes Project Group No. 7: “High Voltage”

Electric drives, hence high voltage, are rapidly gaining importance in agricultural engineering. The Agricultural Industry Electronics Foundation (AEF) as an independent international industry platform for electronics in agriculture has therefore established a seventh project group named “High Voltage”.

ISOBUS is the primary focus of the AEF. High Voltage is now the second subject the association is addressing. The New High Voltage Project Group is aimed at working out a proposal for the standardization of an interface on the tractor providing external implements or components with electric power. The intention is that with this interface any implement will run its electric motors on any tractor, only limited by the power of the engine. The goal is to achieve an acceptable proposal for a specification that would become an industry standard. Five subgroups are already working on special topics: Physical interface for implements, requirements of implements, safety and risk analysis, specification of interface, requirements regarding communications and power as well as cooling. The new project group is led by Harald Dietel of Sensor-Technik Wiedemann GmbH, Kaufbeuren.

Project Group leader Harald Dietel identified the growing use of electric drives in agricultural machinery as a “historic chance”. Dietel stated: Using the control abilities of the electric motors opens the world of decentralized motors to overcome the limitations of mechanical and hydraulic solutions matching the requirements of a new generation of implements with substantial advantages.

The experience gained from the existing AEF Project Groups emphasizes the need for sufficient people resources to complete the work required by each group. This is a critical factor in completing projects on time. To achieve satisfactory results companies working in the field of electric drives/high voltage that are interested in participation are requested to provide experts. Contact: Harald Dietel, Sensor-Technik Wiedemann GmbH, Kaufbeuren. Mail: harald.dietel@sensor-technik.de