

Course Number:	TATT-400
TCTU credits:	75% - 80% = 1 cr
	81% - 100% = 2crs
	85% - 100% = 3crs
	90% - 100% = 4crs
	95% - 100% = 5crs

TEREX® All – Terrain Technical Level - 4

Prerequisites:

Course: TATT-300

Experience / Skill: 3 – 5 years, **LAP-TOP REQUIRED**

Course Summary: Continuing your students knowledge from TMTT-300 Level 3, this course will build your technicians' experience by introducing him to the generation of CAN-Bus driven electronic systems.

The course begins with programs covering the latest generation of computer controlled functions : IC-1 technology. These cranes have integrated the hydraulic controls, telescoping function (SVE), sensors and LMI (IC-1) electronics to communicate through CAN-Bus technology. We cover the hydraulic, electric, components and mobile electronic circuits. The students will gain an understanding of components and systems through the intense study of the schematics on systems. This will give the students a working knowledge of the systems and the foundation for proper troubleshooting techniques and test procedures.

The program then introduces the student to CAN-Bus technology and how it interacts with a crane computer system that diagnosis errors, output controllability, data exchange, and interaction with the IC-1 operating system.

The students will be required to conduct test procedures to troubleshoot and repair problems induced on their machine. A group discussion will be conducted to cover proper troubleshooting techniques utilizing the hydraulic and electrical schematics.

- Course Activities:**
- Pre-test
 - Homework
 - Classroom Assessments
 - Hands - on task
 - Final test

- Completion Benefits:**
- Understanding Mobile CAN-Bus systems.
 - Electric over Hydraulic circuit understanding.
 - Sophisticated Hydraulic systems
 - Have the foundation to troubleshoot possible system problems utilizing hydraulic & electrical schematics.
 - LMI interaction with SMART components.
 - Proper care and handling of computer components.

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