

THE HINDU

Efftronics develops automatic signalling system for trains



D. Rama Krishna (extreme left), MD, Efftronics, addressing a press meet in Vijayawada on Friday.

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VIJAYAWADA: City-based technology company, Efftronics Systems Private Limited developed 'Automatic Signalling System Integrity Tester', an electronic testing system, which ensures safe running of trains.

This system conducts several test cases generated by the software and there are in-built checks for every detail like wiring, platforms and clearances for operations of trains. In the normal course, signal engineers conduct a thorough test before introducing any signalling system at a station. After rectifying any defects, if any, they certify its safety and introduce train operations, said D. Rama Krishna, Managing Director of Efftronics Systems, here on Friday.

"The testing in the existing practice is done manually and there is scope for errors. This apart, there is no evidence available for tests conducted and results obtained for future reference in case of any accidents," he explained. The

Automatic Signalling System Integrity Tester was aimed at addressing such deficiencies. The system would generate several test cases and tests were conducted by embedded electronic system. The results were automatically evaluated by the software, he said.

Details pertaining to tests conducted, results obtained and defects observed are all recorded for reference of signal engineers. Over a dozen employees worked on this project for about four years.

Last year, this system was tested at 24 stations in the country and 99 defects were detected at 16 stations, claimed Mr. Krishna.

Rail Business, a monthly magazine supported by Asian Railway Association and Asian Institute of Transport Development, New Delhi presented its "Product of the Year -2013" award to Efftronics.

Railway Board Chairman Arunendra Kumar presented the award to B. Sambireddy, Chief Engineer of Efftronics at New Delhi on June 6.