From 22 to 24 October, based on the venue of the «Oil Extraction. Oil Refining. Chemistry» exhibition in Samara, a VSP team carried out a seminar for industry specialists — «Functional Safety Standards and Intrinsically safe technologies and Solutions by MTL».

Samara Region is one of the main focus areas for our team. And taking into the account tasks of a long term programme «Rosneft: Special Customer», and a cluster of operational companies represented in the region, there is no doubt in the necessity of active work in Samara.

In 2018 VSP participated in the Oil&Gas exhibition in Samara presenting latest MTL developments for intrinsic safety at the company booth (https://www.vsp-co.org/samara_2018.html). During the year VSP employees held meetings with representatives of end users in the region as well as with engineering companies and project design institutes. This year on the basis of the dedicated oil&gas exhibition site we made a decision to tell specialists about Eaton Electric (former MTL Instruments) approach to development of new solutions in terms of Functional Safety Standards (more details on Functional Safety Standards https://www.vsp-co.org/08-2019-12-mtl-fsm-sil.html). Another task was to discuss new solutions, their potential for process application providing the end user with additional capabilities to reach higher process efficiency. A comprehensively verified and highly reliable process control system with every element — from a connections terminal to a predicative control system — serve the purpose of an uninterruptible plant operation with the highest performance level.

VSP report covered the main subjects as follows:

- VSP: Intrinsically safe interfaces and systems;
- Functional Safety Standards and SIL levels;
- Overview of MTL solutions: new developments;
- MTL830C: a new system of temperature multiplexers;
- Gecma WS: intrinsically safe work stations;
- Questions and Answers and demonstration of equipment.
Closing up the seminar, the latest MTL development — MTL SUM5 Universal Marshalling System solution was announced ([https://www.vsp-co.org/10-2019-01.html](https://www.vsp-co.org/10-2019-01.html)).

Directly before the MTL equipment demonstration, the seminar participants were offered to answer questions on the subjects of the report, the most accurate answers were awarded with special prizes.

We would like to say thank you to all the participants of the seminar «Functional Safety Standards and MTL Intrinsically safe technologies and Solutions» for a possibility to discuss up-to-date requirements for smooth operation at critical industrial sites in Russia.