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OIL DEPOT AND GAS STATION

# 石油库与加油站

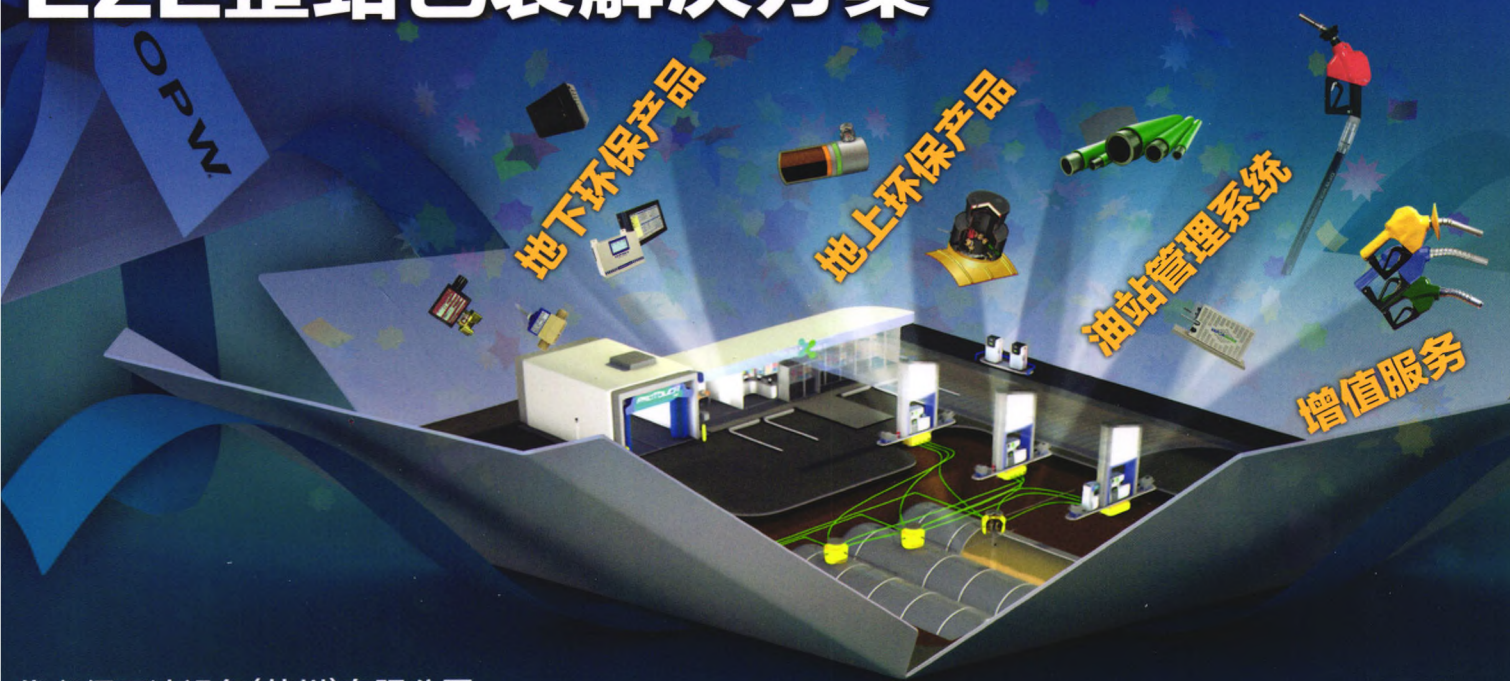
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**Key words:** oil depot, storage tank, pile foundation, ringwall, calculation, reinforcement.

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**Abstract:** According to the relevant standards, advanced experience and mature practices of Russia on oil pipeline construction in frozen area and operation management, taking the commissioning of pipeline as an example, the advanced concept of Russian standards in the aspects of pipeline pigging, pressure test, commissioning handover and operation monitoring is introduced, which is embodied in the following aspects, viz. the application of gel pipeline pig to ensure new pipeline cleaning quality; the test technology of pipeline in frozen area, including high strength pressure test, zero pressure test technology, repeated pressure test for delay production; the pipeline operation conditions; the test of key equipment during pipeline commissioning; and the operation management requirements of delayed pipeline commissioning. The research results have guiding significance for the safe operation of Sino—Russian oil and gas pipeline.

**Key words:** Russia, oil pipeline, production, standard, experience, practice, introduction.

#### **SAFETY TECHNOLOGY**

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**Abstract:** The concept of Systems – Theoretic Accident Model and Processes (STAMP) is introduced, the difference with the traditional commonly – used safety analysis methods, such as fault tree analysis method is pointed out, and it is compared conceptually with the traditional safety analysis methods from the aspects of the relationship of formation and cause of accident, accident cause identification, risk probability, and formulation of risk information. Using the method, the safety of oil depot was evaluated and analyzed in the prophase of construction, construction stage and operation stage, providing a new safety analysis method to enhance the safety management of oil depot.

**Key words:** oil depot, safety, management, systems – theoretic accident model and process (STAMP) analysis method, application.

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**Key words:** oil sales enterprise, internet, intelligent customer service center, construction, application.

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**Key words:** photovoltaic power generation, principle, gas station, application, benefit, analysis.

24 Discussion on Treatment Method of Oily Sludge. Qi Zehua

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**Key words:** petroleum, sludge, treatment, method, introduction.

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**Abstract:** At present, most of the metering systems in oil depot are volumetric flowmeter, which is influenced by many factors such as temperature, pressure, standard density and air floatage and so on, but the mass is taken as a settlement method by users. It will produce certain errors in the volume and mass conversion, which easily lead to disputes. Therefore, the improvement measures of delivery systems for vehicle gasoline, diesel and ethanol gasoline are put forward respectively. For vehicle gasoline and diesel delivery system, the first is to use mass flowmeter instead of volumetric flowmeter; the second is to use temperature compensation technology, add the temperature transmitter, put oil standard density data into the quantitative oil delivery system, so as to revise and compensate the oil temperature in real time. For ethanol gasoline, temperature compensator should be installed in two blending pipelines, respectively.

**Key words:** oil depot, vehicle gasoline, vehicle diesel, ethanol gasoline, oil delivery system, temperature compensation.

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**Key words:** diesel, cetane number, determination, compression ratio method, air volume regulation method, comparison.

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**Key words:** vehicle gasoline, oxygen content, benzene content, detection, method, discussion.

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37 The Management of Electricity in Construction of Gas Station. Wang Youliang.

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**Key words:** gas station, construction, transformation, electricity, safety, management.

39 Thoughts on Safety Risk Management of Gas Station System. Chen Ying.

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**Key words:** gas station, system, safety, risk, management, thoughts.

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**Key words:** gas station, leasing, contract, law, risk, prevention, measures.



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