

TKR





ABOUT THE COMPANY

The TKR Company develops and introduces innovative techniques, training simulators, interactive modules and systems for training and demonstration of different products via modern 3D technology.

With the help of our solutions, we can demonstrate crafts of various specializations and technological installations in real time, including the oil refining associated processes and petrochemicals, our devices are designed to train the personnel a process of any difficulty with the online submission of the educational material.

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GEOGRAPHY OF OUR ACTIVITY

The TKR company is successfully developing in the rapidly growing market of Kazakhstan. Cooperation with the Russian large industrial enterprises became the next step in the expansion of its geographical presence alongside with Kazakhstan. Increasingly popular developments of the company TKR received among the educational institutions of the Russian Federation.





KAZNEX
INVEST



OUR PARTNERS



OUR ACHIEVEMENTS

DIPLOMAS AND CERTIFICATES



The innovative approach of the company to the training has more than once become the subject of attention of a wide variety of organizations and received high appreciation at competitions and exhibitions.

PARTICIPATION IN EXHIBITIONS:

- All-Russia Forum «Educational Environment 2014» in Moscow
- International Exhibition of High-tech Equipment and Armaments «HTEW-Omsk 2013»
- International exhibition of regions of Kazakhstan and Russia «Interregional initiatives in the sphere of innovation and production»

MASS MEDIA ABOUT US



International Exhibition of High-tech Equipment and Armaments “HTEA-Omsk-2013”

More than 500 prospective developments for national defense, aerospace, missile, petrochemical, large and small energy enterprises' and organizations presented the Omsk region in the exhibition of high-tech equipment and weapons «HTEA -Omsk- 2013». There are about 200 Russian and foreign companies participated in the exhibition events.

The company TKR introduced on «HTEA -Omsk- 2013» their innovative projects and received a diploma in the nomination «Innovations in instrumentation.»

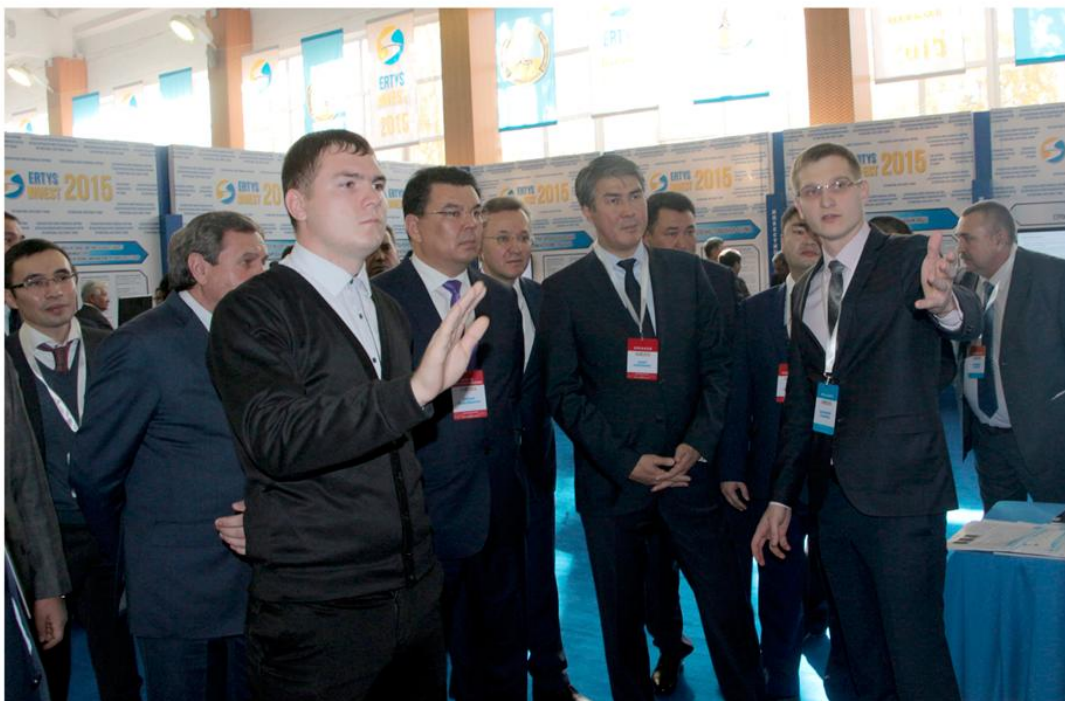


The ERM "Novosibirsk Expocentre" opens the first championship «World Skills Russia 2014»

The first open selection Regional Championship «World Skills Russia 2014» was officially launched in Novosibirsk, which is held in order to raise the prestige of the mass of skilled labor professions, promote the achievements of professional educational organizations in the preparation of competent, skilled workers in demand, in accordance with present production and services.

Deputy Prime Minister of Russian Federation Olga Golodets attended the opening ceremony. The company TKR presented at the «World Skills Russia 2014» their innovative projects.

MASS MEDIA ABOUT US



Irtys Invest-2015

On the 7th of October, Pavlodar hosted «Irtys-Invest-2015» International Investment Forum. The main purpose of the Forum was to provide investment opportunities of Pavlodar region.

Pavlodar forum brought together the representatives of business circles from Kazakhstan, Saudi Arabia, United Kingdom, Italy, Germany and the region's traditional partners from Russia. The event also included an exhibition of investment projects, where the developments of "Tekri" company were presented. Participants and guests of the Forum were presented such projects as "Turning matter and metal craft", "Carload craft", "Petrochemical and Metallurgy", "Agriculture". These developments have caused a lot of interest and positive feedback.

The Fourth International Forum "Professional Education and Business Partners' Dialogue"

The 7th of December, Astana hosted the fourth International Forum "Professional Education and Business: Dialogue of the Partners", organized by the Ministry of Education and Science of the Republic of Kazakhstan. The forum was attended by representatives of the Presidential Administration of the Republic of Kazakhstan, deputies of the Parliament of the Republic of Kazakhstan, heads of ministries and departments, branch and regional councils, professional associations and educational institutions of the TVE. An important part of the forum was the exhibition of innovative education equipment TVE, where VET schools and companies presented their new products and services.

The company TKR presented trainer-simulator for future gas welders and was appreciated.

COMPLETED PROJECTS

INDUSTRY



FEZ VIRTUAL LAYOUT

Interactive map of FEZ of the Republic of Kazakhstan will allow to be acquainted with any of the free economic zone, to consider its territory and areas to explore activities, date and purpose of creation. The information about the infrastructure, stages of implementation was presented. Virtual layout FEZ- is an effective tool for presentation to investors.



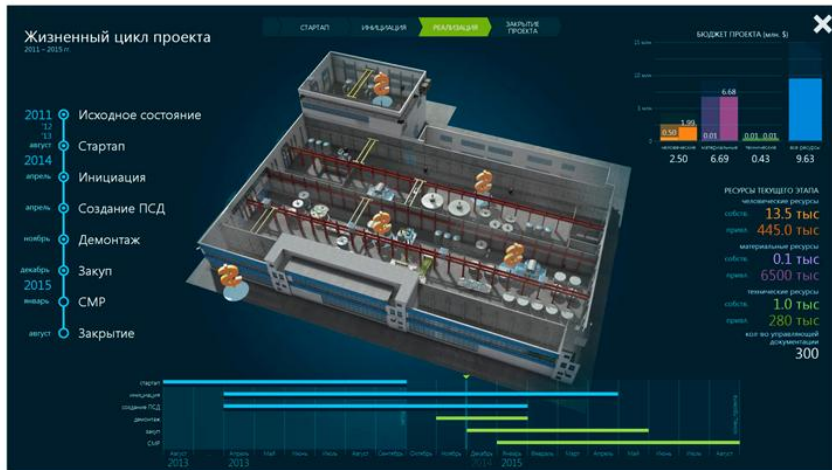
ROADS IN ASTANA VISUAL SYSTEM

The project includes the main stages of implementation, covering the initial state of highways, streets, intersections of access roads to the territory of the EXPO, its subsequent construction and reconstruction. Interactive system will display the stages of construction of roadways and organize all the information on spent and needed funds.



COMPLETED PROJECTS

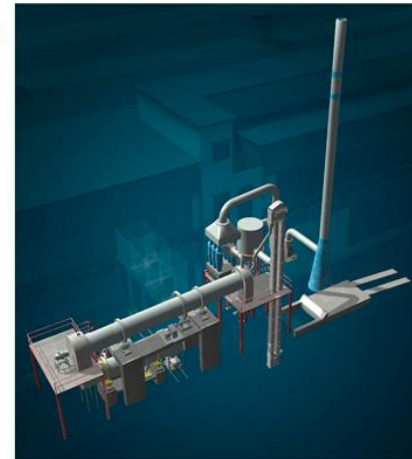
INDUSTRY



BAYER-HYDROCHEMISTRY

KEY INDICATORS OF EFFECTIVENESS

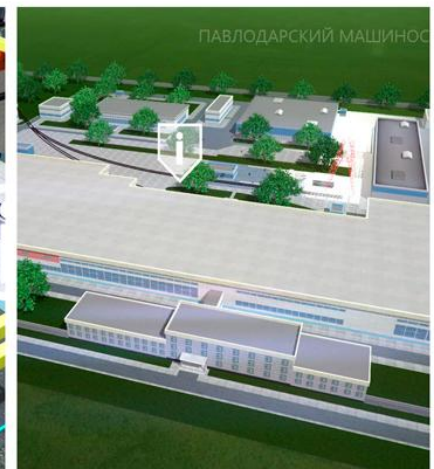
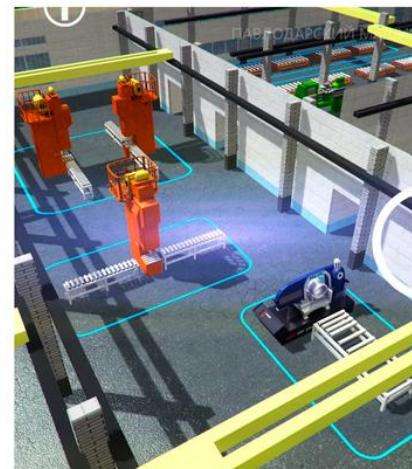
The project consists of several stages of implementation, covering the initial state, the dismantling of the equipment, furnace equipment, lime quench unit, solution preparation unit, autoclave leaching and modernization. You can see the production cycle of two technologies: hydro chemical decomposition of red ash, carbon dioxide decomposition of red slag.



PEP

DEMONSTRATION

Virtual layout displays the company and the surrounding area. When you select any of the sites will be displayed information (floor area, number of employees, a list of the equipment used, etc.) The project is one of the most effective agents for demonstration to potential investors, the leadership of the parent organizations.



COMPLETED PROJECTS

INDUSTRY



PETROLEUM REFINING

IOC

Multimedia educational system makes it possible to study the process of vacuum distillation, absorption, gas fractionation, the installation of hydrogen production, waste heat gases. The project allows to show 3D models of the main technological complex KT-1 and a hydrogen production, its basic components and their operating principle in virtual environment.



POLYMER PRODUCTION

TKR MOTION

Module lets you know all propylene polymerization process in a virtual environment by details. It allows to study the nature of the process, the influence of process parameters on the process. It allows you to thoroughly understand the basic 3D model units involved in the process of polymerization of propylene.



COMPLETED PROJECTS

INDUSTRY



METALLURGY SIMULATOR

The simulator allows to study in detail the process of the cell's electrolysis in 3D format, parsing it for the main components and exploring their operating principle. The user may also work out the standard and emergency situations as well as demonstrate in a virtual environment the internal process of the production of aluminum by electrolysis of cryolite-alumina melt.



WELDING SIMULATOR

A Virtual Welding simulator is designed based on advanced computer and engineering technologies. The simulator allows students to work and expand their welding skills in a simulated environment. The simulator helps to develop motor skills, without using any consumables.





A "MOTION" module on «ELECTROLYSIS OF MOLTED SALTS (METALLURGY)» speciality

This simulator allows you to thoroughly investigate and explore the electrolyzer in 3D format, parse it for the main components and explore their operating principle. Work out the standard and emergency situations



A "MOTION" module on «AGRICULTURE» speciality

Let to examine the structure of the tractor and combine with all the major nodes in the 3D format. Tractor works in the field with the sowing complex: sowing cultivation, sowing, harrowing, mulching.



A SIMULATOR on «MECHANIZATION OF AGRICULTURE» speciality

The trainer allows you to get the basic skills in a field with a tractor-seeding machine: sowing cultivation, sowing, harrowing crops, mulching, application of liquid or dry fertilizer.



A "MOTION" module on «CARLOAD PROPERTY» speciality

It allows you to thoroughly understand and learn the basic components of freight and passenger wagons in the 3D format. Explore the functional features of the wagons, the classification of wagons, technical and economic indicators of wagons. System maintenance and repair of wagons is included.



A "MOTION" module on «TURNING MATTER AND METAL CRAFT (ENGINEERING)» speciality

The Module provides the ability to thoroughly investigate and see 3D models of all kinds of groups of machine tools in the virtual environment. It allows you to thoroughly understand the model of the machine on the main components and explore their principle of operation.



A "MOTION" module on «AUTOMECHANICS» speciality

Interactive information module is an advanced designer of cars, where non-contact training examines a car in a virtual environment. 3D car model includes an interior and interior. Disassemble the car can be on the main components and spare parts: chassis, engine, attachments, steering, transmission, exterior body parts.



VIRTUAL MODEL OF AN ENTERPRISE

The purpose of the virtual layout is an interactive demonstration of the 3D projection of the company, its existing and planned plants. With the use of advanced models, we can show the technological process of production and the internal structure of the basic settings.



A "MOTION" module on «ELECTRIC POWER PLANTS AND NETWORKS» speciality

Implementation of simulator development takes place in cooperation with your specialists, according to the established course of study. Terms of development directly depend on complexity of the project. Variants as phased delivery (3 months) and single (from 6 to 10 months).



AN INDIVIDUALLY DEIGNED SIMULATOR

Implementation of a simulator development takes place in cooperation with your specialists, according to the established course of study. Terms of development directly depend on complexity of the project. Variants as phased delivery (3 months and more) and single (from 6 to 10 months).



A "TOUCH TABLE" module on «OIL AND GAS ELABORATION TECHNOLOGY» speciality

The study of the internal process of installing electric desalting, atmospheric distillation, hydro treating, and reforming process of naphtha, hydro treating and dewaxing of diesel fuel, gas fractionation installation of saturated hydrocarbons.



A "TOUCH TABLE" module on «CHEMICAL TECHNOLOGY OF ORGANIC SUBSTANCES» speciality

The Module is designed to assist in study of vacuum distillation process, catalytic cracking feed hydrotreating, catalytic cracking and distillation, absorption and gas fractionation, installation of hydrogen production, flue gas heat recovery.



A "TOUCH TABLE" module on «NON-FERROUS METALS METALLURGY» speciality

The module allows to study all mail units of a steelmaking furnace in a virtual environment. It also shows all the inner technological processes in a 3D format.



A "WELDING" module on «WELDING CRAFT» speciality

This is a virtual welding simulator designed based on contemporary computer and engineering technologies. The simulator allows the students to train and develop their welding skills using a simulated environment. The simulator allows to develop motor skills without wasting any consumables.



The "SUDENT'S GUIDE" touch module

The module is especially designed for the educational facilities and appears to be an important informational part of the education process.



A "MOTION" module on «DAIRY PRODUCTION» speciality

The module is designed to assist in interactive demonstration of internal and external technological production processes in 3D format such as:

- production of drinking milk and milk beverages
- production of cottage cheese
- production of ice cream.



A "MOTION" module on «POLYMER PROCESSING TECHNOLOGY» speciality

The module assists in a thorough study of the whole process of propylene polymerization in virtual environment. It allows to study the essence of the technological process as well as the influence of the technological settings on the process.

"PEDESTAL ASSEMBLY DISMANTLING" TOUCH TABLE MODULE

The simulator allows developing base motor skills and studying the exact chain of actions in the process of mantling and dismantling of a pedestal assembly without physical presence in a workshop; which provides economic efficiency when teaching a big number of students



A "TOUCH TABLE" module on «INFORMATION SYSTEMS» speciality

The simulator develops the skills in a virtual PC assembling by means of presenting the principles of a computer main devices operation.



"CLUTCH ASSEMBLY" TOUCH TABLE MODULE

The simulator allows developing base motor skills and studying the exact chain of actions in the clutch assembly process.



A TOUCH TABLE module on «TECHNICAL MAINTENANCE OF ELECTRICAL AND ELECTROMECHANICAL EQUIPMENT (BY TYPE)»

The simulator allows to study in details the operational principles of inner processes in units and electrical chains sing the benefits of 3D format.

TKR
GROUP