

Sakhalin-1 Project interesting facts

Yastreb rig

No building on Sakhalin is as tall as the Sakhalin-1 Yastreb drilling rig, which stands at a lofty 52 meters high. That's the equivalent of a 16-17-story building. It's 11 meters taller than the Terpeniya Cape lighthouse, the tallest lighthouse not only on Sakhalin and the Kurils but the entire Pacific basin of Russia.

World record Z-12 well

Try to walk with your eyes closed from Yuzhno airport to Lenin Square without the slightest deviation, and find yourself under the central Post Office clock. Think it's possible? Exxon Neftegas Limited drillers were undertaking a similar task by drilling the Z-12 well at Chayvo. By drilling the Z-12, the company set a new world record for extended reach drilling achieving a measured length of 11,680 meters.

Orlan platform

The Orlan drilling platform in the Sea of Okhotsk is quite a magnificent sight to behold. At a height of 50 meters it is one-and-a-half times as large as the Colossus of Rhodes, one of the Seven Wonders of the Ancient World. The platform's steel and concrete foundation has been built to withstand huge ice ridges reaching the height of a six-story building.

Big bridges

The Sakhalin and Kurils' longest bridge is the one that connects the Sakhalin-1 Project Yastreb drilling site with the Onshore Processing Facility (OPF) in Chayvo Bay. Its length is 830 meters. It could accommodate 138 KAMAZ trucks. Such a bridge could connect Lenin Square and Mira Avenue in Yuzhno-Sakhalinsk. The Sakhalin Bridge is longer than Irtysh River (734 meters) and Ob River (820 meters) bridges, making it the longest of Russia's Trans-Siberian bridges.

Safety is a core value

The safety record of the Sakhalin-1 Project is 20 times higher than the standard set by the International Labor Organization. For example, when building Chayvo OPF, Russian company Dalelectromontazh's team achieved one-million man-hours of safe work. In terms of an individual, that's the equivalent of continuously working for 114 years without the slightest risk of injury.

Tankers - conquerors of seas

The tankers used to deliver Sakhalin-1 oil all over the world have a capacity of 100,000 tons of crude oil. These massive tankers are 42 meters wide, about the same width as Lenin Square (Yuzhno-Sakhalinsk's main square). The length of the tanker is almost 250 meters. Assuming its stern is at the central Post Office on Lenin Street, its bow would appear to be at the Dom Bita shopping center or Ocean trade center. Its height from keel to mast exceeds 54 meters, which makes it as high as a 17-18-story building.

Ancient fields

Boring their way centuries deep into the Earth and its history, ENL is now extracting ancient subsoil treasures. Like all the other Sakhalin-1 fields, the Chayvo field was formed almost two million years ago in the Pleistocene Era. At that time, Sakhalin and the Japanese Islands were part of the mainland. Ice

attacked the mainland in the northern hemisphere and huge mammoths, woolly rhinoceros and musk buffalos inhabited the Earth. Ancient people used stone tools and struggled to survive the severe climate and the advancement of melting glaciers. Their descendants are now extracting the subsoil assets for contemporaries 20,000 centuries later.

Recreation for the entire city

Our new ENL Yuzhno Riverside production office has enhanced the overall architectural scheme of Yuzhno-Sakhalinsk. It was important to the designers to have the five-storey building follow the bend of the Rogatka River nearby. A lighted walkway enjoyed by all Sakhaliners been built along the river bank and connects Mira Avenue with Dzerzhinskaya Street. The river bank is reinforced and equipped with concrete stairs. The building has been designed to withstand an earthquake of up to 8.0 magnitude. However, such disasters are quite rare in southern Sakhalin - once every 500 years, scientists say.

A youthful venture

The average age of ENL personnel on Sakhalin is 34 years. Many scientists believe this age to be the most efficient in a human's life, claiming that this age fills people with physical and mental energy. Additionally, most people by this age have received an education and gained life and professional experience. By 34, an individual has set life goals and has a clear understanding of how they can be achieved. For example, Leo Tolstoy began *War and Peace* at the age of 34, as was famous American inventor Thomas Edison when he created the world's first thermal power plant. Also, Albert Einstein was in his early 30s when he first began focusing on his greatest accomplishment, the theory of relativity.