

Huaraz, Peru

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Prefabrication of switchboards for the largest copper concentrate producer in South America. The implementation consisted of a set of devices to power the stator and rotor of an open-pit mine mill.

COMPLETION DATE: SEPTEMBER 2020

Each project is considered individually due to the installation location, different approach of rail bridges and different required current intensity. The structural design, production and prefabrication were carried out in-house at the Radiolex facility in Gdańsk. The structure is made in two different paint colors: inside it is RAL9005, outside it is RAL7030.

After a successful type test in the laboratory of the Institute of Electrical Engineering in Warsaw, the electrical (I_{cw}, I_{pk}) and mechanical capabilities of the switchboards (IP, IK) were confirmed. The cabinets were hermetically secured for sea transport and, after customs declaration, shipped to the customer to their destination.

Table 1. Electrical parameters of switchboards

		Rozdzielnica SN ZASILENIE STOJANA	Rozdzielnica nN ZASILENIE WIRNIKA
Un	[V]	12000	1000
In	[A]	4000	1000
f	[Hz]	0-7	DC
IP	[-]	IP56	IP56
IK	[-]	IK10	IK10

Where:

Un – rated voltage,

In – rated current,

f – frequency,

IP – degree of protection provided by the housing against the ingress of liquids and solids,

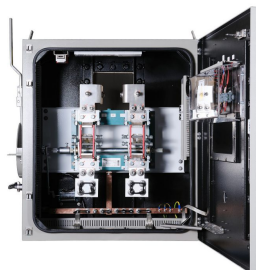
IK – mechanical strength classification.

GALERIA PRODUKTU WRAZ Z PRZYKŁADOWYMI REALIZACJAMI



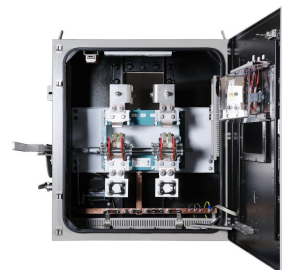
PROJEKTOWA REALIZACJA
REPAIR-UP OF INFRASTRUCTURE

Radiolex



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