



AURUM ENGINEERING GmbH

PLANT DESIGN * INDUSTRIAL ENGINEERING * PROCESS TECHNOLOGY

Reference-list of the works carried out by *Aurum Engineering GmbH* in the field of water supply and discharge, cooling of metallurgic units.

No	Enterprise	Description of works	Year
1.	Wagon depot (passengers') in Kiev	Technical retrofit of the oil sludge trap of the wagon depot (passengers') in Kiev	2010
2.	<i>Yenakii</i> ve Iron and Steel Works OJSC	Development of methods for normal functioning of circulating cycles of oxygen-converter plants' gas purificators during stabilization water treatment.	2010
3.	Research Engineering	Development of technology and facilities for fine purification of CC-machines' and small-section mills' sewages.	2011
4.	Research Engineering	Development of the basics for creation of zero-discharge conditionally-clean circulating water supply systems.	2011
5.	<i>Azovstal</i> Iron and Steel Works PJSC	Reduction of discharges into slurry tank of contaminated sewages of the salvage workshop for iron-containing slurries at <i>Azovstal</i> Iron and Steel Works.	2011
6.	<i>Azovstal</i> Iron and Steel Works PJSC	Equipment inspection and development of recommendations for operation of gas exhaust ducts of oxygen-converter plants' converters № 1 and 2, including circulating water supply system, increasing of operational reliability under conditions of production output increase at <i>Azovstal</i> Iron and Steel Works.	2011
7.	<i>Azovstal</i> Iron and Steel Works PJSC	Development of feasibility study of oil catcher in circulating cycle of oxygen-converter plant continuous steel casting department.	2011
8.	<i>Vostokenergo</i> LLC, DTEK	Choice of inhibiting agent for stabilization treatment of water supplied to the gas purificator of the power unit № 10 of Luhansk Thermal power plant.	2012
9.	<i>Yenakii</i> ve Iron and Steel Works OJSC	Development and design of slurry waters degassing after oxygen-converter plant's gas purificators.	2012
10.	<i>Yenakii</i> ve Iron and Steel Works OJSC	Development of technical solutions for normal functioning of circulating cycle of CC-machine and secondary refining (ladle-furnace) units of converter plant under the conditions of increased thermal load.	2012
11.	<i>Yenakii</i> ve Iron and Steel Works OJSC	Consumption calculation of the potable water, process and circulating water.	2012



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12.	<i>EVRAZ</i> Nizhniy Tagil Iron and Steel Works	Inspection of circulating water supply systems and sources of wastes discharge into stormwater drainage for design of enclosed water supply system.	2012
13.	<i>Azovstal</i> Iron and Steel Works PJSC	Analysis of current operating modes of gas-exhaust duct of converters № 1 and 2 as well as development of measures to increase intensity of oxygen blowing and improve operational characteristics of gas exhaust duct equipment, including extension of the period without repairs, while the internal lining life is prolonged up to 7000-9000 melts.	2012
14.	<i>Yenakiieve Iron and Steel Works</i> OJSC	Start-up and commissioning as well as experimental and adjustment works during reconstruction of converters № 2 and 3.	2012 - 2013
15.	Mechel (Chelyabinsk Metallurgical Plant)	Development of measures for reduction of deposits in Venturi pipes of gas purificators of oxygen-converter plant.	2013
16.	Mariupol Ilyich Iron and Steel Works PJSC	Water supply cycle Reconstruction of circulating water supply cycle of gas purificators. Third radial sedimentation tank.	2013
17.	<i>Azovstal</i> Iron and Steel Works PJSC	Execution of the project on blast furnaces' gas purification system.	2014
18.	Zaporizhstal JSC	Development of feasibility study on the layout of water return system from Kaustianka river and other local treatment facilities of domestic utility sewages from industrial facilities of Zaporizhstal JSC and Dniprospetsstal PJSC.	2014