

Domestic Sales

Completion of Construction of Exhaust Gas Treatment Facility for Takehara Refinery of Mitsui Mining & Smelting

Exhaust Gas Treatment Facility Completed

In March, 2016, Mesco handed over the exhaust gas treatment facility, which belongs to one of our specialty areas, as ordered by Takehara Refinery of Mitsui Mining & Smelting Co., Ltd.

We successfully completed the site work that lasted approximately 7.5 months without any accidents caused, by professionally coordinating multiple construction tasks going on at the same on the refinery premises.

This facility is intended for thorough removal of fine dusts, containing heavy metals, from the blast furnace and the main equipment items delivered are two (2) gas cleaning towers and one (1) wet type electrostatic precipitator.

Social demands for recycling are getting higher and higher and call for higher quality of the engineering expertise required.

We, Mesco, continue to pursue technologies of a higher level to respond to such needs in the market and thereby develop technologies that contribute to our customers.



Exhaust Gas Treatment Facility



Waste Water Treatment Facility



Renewable Energy

Hydropower Plant Construction Records

We provide our customers with support
backed by our abundant experience.



Power Plant	Source River	Start of Operation	Power Generation Capacity (after Renewal)	Renewal Schedule
Kanakido	Sugoroku River	July, 1953	18,000 kW (18,252 kW)	June 2015 – August 2017 Work in Process by Mesco
Kanakido No.2	Sugoroku River (Yamabuki Valley)	May, 1964	850 kW (886 kW)	April 2016 – September 2017 Work in Process by Mesco
Atotsu	Atotsu River	February, 1925.2 Enhanced in 1989	11,850 kW (13,026 kW)	April 2016 – May 2018 Work in Process by Mesco
Do No.1	Atotsu River	February, 1920 Enhanced in April, 1989	1650 kW (1,865 kW)	April 2016 – July 2018 Work in Process by Mesco
Do No.2	Atotsu River (Mayama Valley)	February, 1936	1,000 kW (1,126 kW)	April 2016 – August 2018 Work in Process by Mesco
Tengu no Uchiwa	Inside Mozumi Mine	June, 2014	70.9 kW	Completed by Mesco (Mesco Pipe Used)
Wasabo	Wasabo River	May, 2015	840 kW	Completed by Mesco (Mesco Pipe Used)

Mesco offers support by providing total engineering services and carrying out installation of penstocks, water turbine generators, and transformers, as well as connecting power lines.



Transformer Facility Construction



Water Intake Weir (Lodging Weir)



Water Turbine Generator Renewal

Conduit Installation

We offer optimum installation methods from among a variety of engineering solutions and installation methods including slope piping, hung piping, and many others that are available from us.

① Support Installation on Steep Slope



② Crane Setup on Steep Slope



① Delivery of a Series of 10m long Pipes



② Forming Long Pipes by Welding



④ Penstock Installation



③ Penstock Installation Preparation



④ Pipe Loading Completed



③ Loading of Pipes with a Backhoe

<Kanakido Power Station>

<Wasabo Power Station>
Mesco Pipe Used

We provide full support with the services of feasibility studies, subsidy applications, detailed engineering, construction, and all the way through to commissioning.

2015 New Environmental Exhibition Booth

Straight 6-Year Booth Exhibition

Mesco has set up a booth consecutively for six years since 2011 at the Environmental Exhibition. The exhibition this year was open for four days from May 26 through May 29. The number of visitors to the exhibition totalled 167,540, many of whom also paid a visit to Mesco's booth. Exhibited at our booth were display models of the Wasabo power plant, generating a power of 840 kW, as well as our hydropower generator installation references, and panels showing the gravitational wave telescope "KAGRA" of Tokyo University and so on. We received a great amount of responses from those who kindly visited our booth. We sincerely appreciate the attention paid to our exhibits and cordially thank every one of those who shared time with us at the show.

We will continue to strive to propose the best of our offers, by keeping in mind one of Mesco's mission statements "Putting Our Customers First".



Topic 2

President's Award for 2015

Mesco presents President's Awards every year to an individual and a group of persons whose professional achievements have been recognized as being outstanding and excellent during the year. The individual award "The Best Mesco Engineer of the Year" for this year went to Mr. Itatsu, manager of the Domestic Marketing and Sales Dept., for his achievement made on winning a large-scale project from outside the Mitsui Mining & Smelting's group.

The purpose of this award system is to encourage and motivate every one of Mesco's members to contribute to improvement of the company's performance.



Finally

Kamioka Mining's hydropower plant renewal project currently carried out by Mesco and our booth set up at the Environmental Exhibition have attracted significant attention from the market and led to a number of inquiries received.

We are an engineering company, with abundant resources including civil engineers and architects, capable of carrying out full-range projects involving not only mechanical and electrical works but also civil works, conduit installation, and project road construction in mountainous areas.

We aim to contribute to improving the infrastructures of the developing nations in Southeast Asia by supporting them with our hydropower plant technologies, as part of our efforts extended toward creating eco-friendly energy sources.

So'ichiro Kimura, GM
Domestic Marketing & Sales Dept.

Engineering

Quarterly

Vol. 60

issued on Aug. 1, 2016

Authorized by: So'ichiro Kimura
(kimura_s@mesco.co.jp)

Produced by: Kazuki Horie
(horie@mesco.co.jp)

MESCO

Mesco, Inc.

Supporting the Technologies for Tomorrow

Head Office: Arca East 14 Fl., 3-2-1 Kinshi, Sumida-ku, Tokyo 130-8531, Japan

Phone +81-(0)3-5610-7839, Fax +81-(0)3-5610-7863

URL: <http://www.mesco.co.jp>

Overseas Offices: in Malaysia, Taiwan, Thailand, and the Philippines