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NTT Press Releases

Nippon Telegraph and Telephone Corporation
Mitsubishi Heavy Industries, Ltd.

NTT and MHI Conclude Tie-up Agreement in R&D Integrating Social Infrastructure and ICT

Tokyo, April 28, 2014 - Nippon Telegraph and Telephone Corporation (NTT) and Mitsubishi Heavy Industries, Ltd. (MHI) concluded a basic agreement today calling for a tie-up in the area of research and development (R&D). The tie-up targets to create new values by applying NTT's R&D results in the area of information and communication technology (ICT) to MHI's social infrastructure products in the fields, including energy, environment and transportation, as well as plant sites in Japan and other countries.

1. Tie-up background and aims

Under its Medium-Term Management Strategy ("[Towards the Next Stage](#)") NTT today is seeking to provide new value, as a "valued partner" that customers continue to select, through collaboration with partners by ICT capabilities. In R&D activities, NTT is pursuing initiatives in "co-innovation" through collaboration with diverse partners.

In January of this year MHI newly established an "ICT Solution Headquarters" to oversee companywide ICT operations. In doing so MHI aims to seek new and expanded business in ICT solutions. At the same time, MHI will pursue to enhance the competitive strength of its products and accelerate product development through integration of ICT (communication network technologies, information processing technologies, etc.), leveraging strategic alliance, etc.

Through the newly concluded tie-up, NTT's R&D results will be applied to MHI's diverse social infrastructure products and at its production sites, enabling the swift realization of new value creation through the integration of social infrastructure and ICT.

2. Tie-up overview

Going forward, NTT and MHI will pursue joint development, joint testing and other activities, selecting from specific potential themes below.

(1) Optical fiber & sensors

Potential application will be considered of NTT's optical fiber, laser, and radio wave and biomedical signals measurement technologies to production sites and maintenance operations of MHI's product.

(2) Big data

Potential applications will be considered of NTT's big data processing and analysis technologies to big data on the operating status of MHI's products, customer comments phoned into the company's call centers, etc.

(3) AR & media processing


Potential applications of NTT's technologies in augmented reality (AR) and media processing (video, voice, etc.) will be probed to enhance communication between supporting staff and workers who are located remotely and to boost efficiency at its factories in Japan and other countries, as well as local construction sites.

About Nippon Telegraph and Telephone Corporation

NTT (Nippon Telegraph and Telephone Corporation) is the world's largest global IT and telecommunications services company and is ranked 32nd on Fortune's Global 500 list. The company's roots go back over 100 years to the introduction of the telegraph in Japan and focuses today on innovation in the cloud, mobility, network and communications. The company had operating revenues of over US\$130 billion for the fiscal year ended March 31, 2013 and employs 227,150 people worldwide. The company's subsidiaries include Regional Communications Businesses: NTT EAST, NTT WEST; Mobile Communications Businesses: NTT DOCOMO; Long-Distance

About Mitsubishi Heavy Industries

Mitsubishi Heavy Industries, Ltd. (MHI), headquartered in Tokyo, Japan, is one of the world's leading heavy machinery manufacturers, with consolidated sales of 2,817.8 billion yen in fiscal 2012, the year ended March 31, 2013. MHI's diverse lineup of products and services encompasses shipbuilding, power plants, chemical plants, environmental equipment, steel structures, industrial and general machinery, aircraft, space systems and air-conditioning systems.

For more information, please visit the MHI website (<http://www.mhi-global.com/index.html> ).

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Innovative R&D by NTT -
[NTT Has Instituted a Logo to Represent R&D Activities.](#)

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