



Komatsu-no-Mori





Nurturing Our People and Technologies

In May 2011, the Komatsu-no-Mori (Komatsu Green Park) opened at the former Komatsu Plant site in Komatsu City, Ishikawa Prefecture. Komatsu-no-Mori consists of the KOMATSU Way Global Institute and Techno Training Center, both of which serve as the stage for cultivating global human resources of the Komatsu Group. The park also features the Waku-waku Komatsu Kan (Exciting Komatsu Pavilion), which offers visitors an opportunity to learn science and technologies in the restored original Komatsu Head Office building, as well as the Genki-Satoyama woodland and 930E super-large dump truck on display. Some of these facilities are open to the general public.

■ The KOMATSU Way Global Institute

By instilling in Komatsu employees in and outside Japan the KOMATSU Way*, which forms the foundation for Komatsu's training program, the role of the KOMATSU Way Global Institute is to upgrade every employee's capabilities, develop human resources and mobilize the entire organization.

In addition to new employee training, rank-



Ceremony to welcome new employees



All Komatsu QC convention



KOMATSU Way Leadership Development Program

based training programs for three-year employees, mid-career employees and managers and other programs are held at the institute to provide practical education useful for daily business dealings.

The institute also hosts the annual All Komatsu

Technology Olympics and QC Convention, which are designed to strengthen workplace capabilities. Many employees from overseas bases also participate in these events.

* The KOMATSU Way is a set of core values that Komatsu would like to continue upholding in the Komatsu Group into the future and encompasses a wide scope of corporate domains ranging from *Monozukuri* (manufacturing competitiveness) to corporate governance.

■ Techno Training Center

The Techno Training Center has taken on the challenge to be the "mother" training center for Komatsu service technicians worldwide. To accomplish this task many new training techniques and technologies have been adopted. Some of the training program features are introduced below.

Machine Practical Training

The Techno Training Center has six Komatsu PC200 series hydraulic excavators for use by training participants. They check the machine functions, make machine adjustments and troubleshoot actual machine system faults created by their training instructors and based on KOMTRAX reports to simulate actual problems currently being experienced in the field.

This method of hands-on training is not just for hydraulic excavators but also used for all training including bulldozers, wheel loaders and dump trucks. Besides current models, at least two and sometimes three previous generation models are available and used for training.

Advanced Presentation Materials

The Techno Training Center has adopted the use of presentations featuring 3D computer graphics to give participants an inside look into many complex components. Participants can visualize, for example, transmission oil flow, the movement of hydraulic valve spools and exhaust gas flow in a Tier 4 (Stage IIIB) Interim engine. These 3D computer graphic presentations help the participants to quickly understand components, allowing more time for other training activities.

Utilization of Audio-Visual (AV) Devices

To give everyone the same viewing perspective, the Techno Training Center uses an AV system consisting of high-resolution, high-definition cameras and 127 cm (50 in) monitors in the classroom. The participants' need to move around to see better is greatly reduced. This AV system has also been successfully used in the workshop for machine monitor panel training. Setting up a camera in the machine cab gives every participant an operator's seat view of the machine monitor panel. This AV system allows for efficient use of training time.



Lecture using 3D animation as a learning tool



Hands-on training using actual machines



Training for the HB205 hybrid excavator using AV system

■ Area Open to the General Public within Komatsu-no-Mori Premises

The Komatsu-no-Mori has several areas open to the general public, including the exhibition space of a 930E super-large dump truck, which is the only one of its kind in Japan. In addition, the Genki-Satoyama and Waku-waku Komatsu Kan provide venues for children to appreciate the importance of protecting the natural environment and take an interest in *Mono-dzukuri*.

Since its opening in May 2011, the Waku-waku Komatsu Kan has welcomed more than 100,000 visitors as of December 2012.

The first floor features a diorama of Komatsu construction equipment, a 3D theater and exhibits that allow visitors to experience the principles of presses, gears and hydraulic pressure. On the second floor, former Komatsu employees give lectures to children in science workshops, letting them experience *Mono-dzukuri* firsthand. The casting workshop offers a class in which children can easily understand highly advanced technology by making their own pendants.

In the Genki-Satoyama area, sunflowers and sweet potatoes are grown in a field while a stream is a habitat for a number of tadpoles, killifish and dragonflies. Komatsu has also provided opportunities for children to get in touch with nature by holding nature observation get-togethers, including those for raising beetles and growing mushrooms.

Komatsu is committed to engaging in these and other activities by promoting close communications with as many visitors as possible.



Children at a workshop



High school students visiting from India under the Japan-East Asia Network of Exchange for Students and Youths (JENESYS) Programme

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