



Customer Satisfaction and Quality Management (Car Maker) (General Customers and Dealers) · Integrated Environmental Management · **Climate Change and GHG Management** · Community Involvement and Development · Transparency and Business Ethics · Employee Value Creation · Employee Health and Safety Management · Win-Win Partnership in the Supply Chain

● Completed ● Partially completed ○ Under preparation

Managerial Issue	Achievements in 2019			Plans for 2020			
	Goals	Achievements	Completion	Goals	Plans	Deadline	Responsible Team
Low-carbon management	Maintaining our status as an outstanding carbon management company granted by CDP	Remained graded 'Leadership A-' in response to climate change by CDP	●	Achieving the 'Leadership A' grade in climate change response granted by CDP	Join the CDP's 'A LIST' in climate change response	Dec.	CSR Team
	Upgrading the energy management system e-Saver	Completed the concept of e-Saver upgrades, set for testing in 2020	●	Upgrading the energy management system e-Saver	Perform e-Saver testing on air compressors at the Geumsan Plant	Dec.	Production Infrastructure Team
	Setting company-wide long-term GHG emission reduction targets	Set a total GHG emission reduction goal for 2050	●	Setting mid/long-term total GHG emission reduction goals	Set detailed KPIs in alignment with the set mid/long-term strategy	Dec.	CSR Team
Reduction of GHG emissions	Introducing high-efficiency equipment	Improved the efficiency of vacuum pumps in the building process at the Geumsan Plant	●	Introducing high-efficiency equipment	Introduce non-purge air compressor equipment to minimize energy loss	Dec.	KP)Facility Maintenance Team
		Adopted high-efficiency motors at the Jiaxing Plant	●		Expand the application of the vacuum pump Variable Frequency Drive (VFD) for the building process	Dec.	DP)Facility Technology Team IP)Facility Maintenance Team
		Replaced fluorescent lights with high-efficiency LED lights at the Daejeon and Geumsan Plants (nearly 9,000 units)	●		Shift to high-efficiency LED lights at the U.S. Plant (nearly 16,000 units)	Dec.	TP)Facility Maintenance Team
	Recycling energy and preventing leakage	Improved the quality of condensate water from the curing process and reused the water to supply boilers at the Indonesia Plant	●	Recycling energy and preventing leakage	Install Platen & Jacket traps at the Jiangsu/Jiaxing/Geumsan Plants	Dec.	HP)설비기술팀 KP)Facility Maintenance Team
		Replaced old steam traps in the curing process (continued)	●		Replace old steam traps in the curing process (continued)	Dec.	JP)HP)Facility Maintenance Team KP)설비기술팀
		Patrolled around respective worksites to prevent energy leaks	●		Check compressed leaks from the compressor	Dec.	Production Infrastructure Team
	Improving the operational method	Minimized pump flows and pressures in the curing process at the Geumsan Plant	●	Improving the operational method	Optimize the steam pressure in the curing process	Dec.	HP)Facility Maintenance Team
		Implemented a centrally-controlled compressor pressure system (Daejeon/Geumsan/Jiaxing/Hungary Plants)	●		Perform real-time monitoring for compressor power consumption and compressed air volume to optimize the supply efficiency of compressed air and develop an automatic air leak detection system	Dec.	Production Infrastructure Team
		Joined the electric power demand management at the Daejeon Plant	●		Reduce power consumption by operating in response to loads imposed on boiler fans and curing ventilation fans	Dec.	TP)Facility Maintenance Team
		Improved the thermal work environment of the curing process at the Daejeon and Geumsan Plants	●		Improve the efficiency of cooling water pumps at the freezer	Dec.	CP)Facility Maintenance Team
	Introducing new technology and promoting energy transition	Optimized the boiler operational load at the Hungary Plant	●	Introducing new technology and promoting energy transition	Reduce energy consumption by improving the efficiency of boiler economizers	Dec.	KP)Facility Maintenance Team
		Produced PV-based eco-friendly power and supplied it to the external grid to reduce GHG emissions by nearly 300tCO <sub>2</sub> -eq/year	●		Introduce photovoltaic power generation at the Hungary Plant (generation of eco-friendly power)	Dec.	MP)Facility Maintenance Team
Used external low-carbon steam at the Daejeon Plant to reduce GHG emissions by 23,000tCO <sub>2</sub> -eq/year		●	Use external low-carbon steam to continue to reduce GHG emissions by 23,000tCO <sub>2</sub> -eq/year at the Daejeon Plant		Dec.	DP)설비기술팀	
Used wood pallets as fuel at the Geumsan Plant to complete the review of the CO <sub>2</sub> emission mitigation project		●	Review the introduction of renewable energy at the Indonesia/Hungary Plants		Dec.	Production Infrastructure Team	
	Completed the testing and design of installing harmonic wave filters at the Geumsan Plant	●		Expand the application of power-saving equipment	Dec.	Production Infrastructure Team	