

## FY 2019 Achievements 『TDK Environment, Health and Safety Action 2025』

Tasks	Fiscal Year 2019		Achievements	Status
	Objectives	Practical Activities		
<b>【1】 TDK Environment Activity: improve CO<sub>2</sub> emissions basic-unit in a lifecycle perspective 30% by 2025, compared with Fiscal Year 2014</b>				
Assess our entire value chain emissions impact including environmental contribution, and improve the sales based basic units				
(1) Reduce CO <sub>2</sub> emissions from production activities	<ul style="list-style-type: none"> <li>Improve CO<sub>2</sub> emissions basic-unit from energy use 1.8% compared with the previous FY</li> </ul>	<ul style="list-style-type: none"> <li>Implement energy saving activity worth 2.0 % of the previous FY CO<sub>2</sub> emissions at each manufacturing site</li> <li>Set up the self-motivated target of CO<sub>2</sub> emissions</li> <li>Determine renewable energy resources</li> <li>Instill lower energy thinking in production site</li> <li>Consider introduction of clean energy</li> </ul>	<ul style="list-style-type: none"> <li>Improved by 5.4% compared with the previous FY</li> </ul>	Achieved
(2) Expand environmental contribution of products	<ul style="list-style-type: none"> <li>Improve product-based CO<sub>2</sub> reduction contributions basic-unit by 2.7% compared with the previous FY</li> </ul>	<ul style="list-style-type: none"> <li>Calculate amounts of product contributions of new products</li> <li>Integrate the guidelines for contribution amount calculation intonew products assessment system</li> </ul>	<ul style="list-style-type: none"> <li>Improved by 6.9% compared with the previous FY</li> </ul>	Achieved
(3) Reduce water usage	<ul style="list-style-type: none"> <li>Improve water usage basic-unit by 1.5% of the previous FY</li> <li>Implement water usage CO<sub>2</sub> calculations at sites</li> </ul>	<ul style="list-style-type: none"> <li>Improve water usage basic-unit by 1.5% of the previous FY at each</li> <li>Improve the rate of recycle use</li> <li>Assess CO<sub>2</sub> emissions of water</li> </ul>	<ul style="list-style-type: none"> <li>Improved by 0.8% compared with the previous FY</li> <li>As a result of estimated water usage calculations, decide to terminate future implementation</li> </ul>	Not achieved
(4) Use resources effectively	<ul style="list-style-type: none"> <li>Improve waste basic-unit by 1.5% of the previous FY</li> <li>Establish the CO<sub>2</sub> conversion method for input materials</li> </ul>	<ul style="list-style-type: none"> <li>Improve waste basic-unit by 1.5% of the previous FY at each manufacturing site</li> <li>Use raw materials effectively</li> <li>Promote internal recycle/reuse</li> <li>Assess CO<sub>2</sub> emissions of input materials</li> </ul>	<ul style="list-style-type: none"> <li>Worsened by 19.8% compared with the previous FY</li> <li>Reported the results of Scope 3 emission calculations in environmental performance data</li> </ul>	Not achieved  Achieved
(5) Reduce CO <sub>2</sub> emissions in logistics	<ul style="list-style-type: none"> <li>Reduce the amount of CO<sub>2</sub> emissions in logistics by 3.0% of FY 2014</li> </ul>	<ul style="list-style-type: none"> <li>Implement the energy saving activities (e.g. review of delivery center)</li> <li>Review the international transportation methods</li> <li>Broaden routes calculated CO<sub>2</sub> emissions in logistics</li> </ul>	<ul style="list-style-type: none"> <li>Reduced by 11.1% compared with FY2014</li> </ul>	Achieved
(6) Reduce risks of chemicals use	<ul style="list-style-type: none"> <li>Reduce influence of chemicals to the human and environment</li> </ul>	<ul style="list-style-type: none"> <li>Reduce usage or promote the substitution of hazardous chemicals</li> <li>Broaden operation sites of "TDK chemical substances control DB"</li> </ul>	<ul style="list-style-type: none"> <li>Reduce usage or promote the substitution of hazardous chemicals</li> </ul>	Achieved
(7) Contribute to environmental society	<ul style="list-style-type: none"> <li>Preserve the environment and biodiversity</li> </ul>	<ul style="list-style-type: none"> <li>Promote forest protection activity</li> <li>Promote environmental education and awareness activity</li> <li>Assess the CO<sub>2</sub> contribution amount of social activities</li> </ul>	<ul style="list-style-type: none"> <li>No. of trees planted outside company: 940</li> <li>Aggregate no. of employees participating in volunteer activities: 2,945</li> </ul>	Achieved
<b>【2】 TDK Health and Safety Activity</b>				
Take action toward to achieve "Zero labor accident", our ultimate goal				
Activity for health and safety	<ul style="list-style-type: none"> <li>achieve the "ZERO significant labor accident"</li> </ul>	<ul style="list-style-type: none"> <li>Mitigate the significant safety risks</li> <li>Promote the safety patrol by site top manager thoroughly</li> </ul>	<ul style="list-style-type: none"> <li>Achieve "Zero significant labor accidents"</li> </ul>	Achieved

\*significant labor accident: an accident with remaining disability, required long-term nursing, or fatality