

## Topics (FY2016 - 2018)

During 3-year term of “Environmental Action Plan Stage VIII” (FY2016 - 2018), we made efforts to mitigate the environmental impacts through not only reduction of GHG emissions and waste generations, but promotion of paperless, on-site KAIZEN activities and so on.

### Our Business

#### Reduction of GHG emissions

We replaced sequentially air conditioners and lighting equipment, with highly energy efficient ones in each business site. In addition, we introduced new temperature humidity chambers in Headquarters / Tokyo Plant. And also, we optimized the number of cubicles on the rooftop, and replaced them with new ones in Niigata Plant.

On the other hand, with the result that we transferred manufacturing function from Niigata Plant to our plants outside Japan, and that we adopted local procurement policy, we could reduce GHG emissions derived from logistics of assembling parts or the like, whose distance had been reduced in large scale.



New chamber



LED lightings in a cafeteria

#### Reduction of waste generations

We make efforts to increase the ratio of the amount of valuables, and to sort waste out properly at each site, in order to reduce waste generations. For example in Headquarters / Tokyo Plant, we prepared specific containers for each item, with a slightly large panel printed each image and name, in order to help employees be deeply conscious about waste sorting.

On the other hand, we implemented the inspection of waste vendors in terms of responsibility of a waste generator, so that we could see if they processed waste appropriately, which we had consigned. Moreover, we have already finished abolishing all of PCB waste, which we had stored in both Headquarters / Tokyo Plant and Niigata Plant.



Small sorting



Inspection of waste vender

### Efficient Working Environment

#### Promotion of paperless

As one of the work style reforms which have been started since FY2017, we established “Paperless Promotion Committee for the whole companies” to take actions on 2 kinds of measures, which are both “paperless of meeting” and “paperless of office”.

In “paperless of meeting”, we introduced high-performance projectors and large monitors at each business site, so that we could hold meetings without paper documents.

On the other hand, in “paperless of office”, we took from a senior consultant, a couple of lectures about methods of “trimming paper documents down”. After that, we expanded the methods within the whole companies to reduce use of paper, and to digitalize paper.



Large display



Paperless meeting

#### Introduction of RPA

As one of work style reforms, we also introduced RPA (Robotic Process Automation) which is a software tool to automate simple PC operation, and to reduce the time spent it. As a result, we could reduce totally about 1,000 hours during FY2018 in the whole companies, and could also reduce electricity consumptions derived from OA devices or the like.

#### On-site KAIZEN activities

As one of the Kaizen activities, we monthly hold the events of both “Pride of Kaizen” and “Study of Failures” in Niigata Plant. These activities are very unique, because a representative of division or working team gives a presentation about a case study of Kaizen or failure, and after that, the attendees ask questions or make suggestions about her / his presentation, to review the case study and the effectiveness there, and to determine if it should be expanded to other divisions.

We had many case studies, like “working improvement by RPA”, “review of working process”, “introduction of new technology”, “improvement of working methods and tools” and “space improvement”. And, through these positive actions on various issues, we showed great results in terms of reduction of working time, quality improvement, cost reduction, and mitigation of the environmental impacts.

Incidentally, we got bonus from these activities, that in a positive way, the competitive awareness and the basis of mutual cooperation between each division have been made, by ensuring the PDCA cycle within the plant, and by recognizing excellent case studies each other.