

## Waste Reduction and Recycling

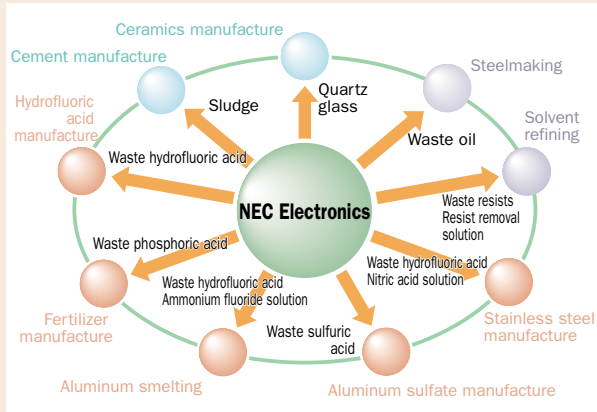
### We maintain a recycling rate of 99% or more of industrial waste.

NEC Electronics began working to reduce waste and promote recycling of resources in 1985. The entire group (our predecessor NEC Electron Devices and its domestic manufacturing subsidiaries) achieved a recycling rate of 99% or more of industrial waste in September 2000, which the NEC Electronics Group has maintained since that time.

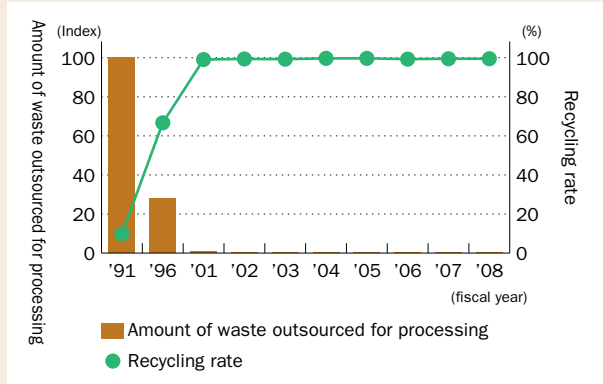
Our waste reduction and recycling efforts include developing manufacturing processes and designing factories that minimize generation of waste. Also, we are collaborating with companies in other industries to promote waste recycling.

These recycling activities have earned us a number of awards from external organizations such as the Clean Japan Center. These awards include the Chairman's Prize in the Recycling Promotion Conference Awards and the Chairman's Prize in the Resource Recycling Technology Systems Awards.

### Joint Recycling Activities with Other Industries



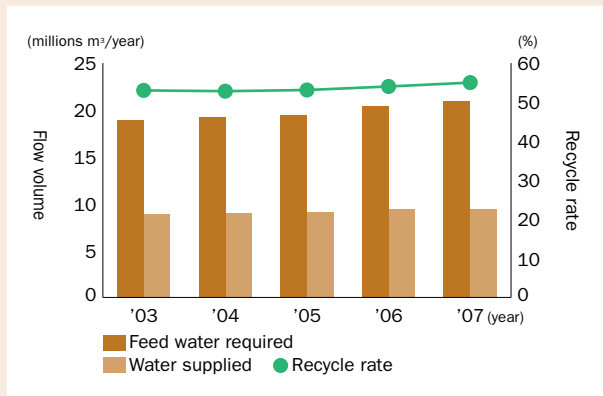
### Transition in industrial waste recycling



### Water resource conservation

The semiconductor industry consumes a considerable amount of water. We are committed not only to conserving water, but also to recovering and reusing water discharged from our factories and offices. These efforts have enabled us to cut by more than half the feed water required for our semiconductor manufacturing processes that is supplied from outside sources.

### Reuse of water



\*Recycle rate equals (feed water required minus water supplied) divided by feed water required.

## TALK about ECO — Our environmental efforts



**Tatsuya Tomita**

NEC Semiconductors  
Kyushu Yamaguchi

### We purge gases emitted from the factory.

I'm in charge of equipment used to purge gases emitted from the factory. Periodically, we analyze the composition of gas emissions to regulate the amounts of various substances discharged into the environment on a daily basis with the objective of reducing emissions. When improvements made to equipment are successful in reducing emissions, I really feel that we are making a contribution to environmental protection.