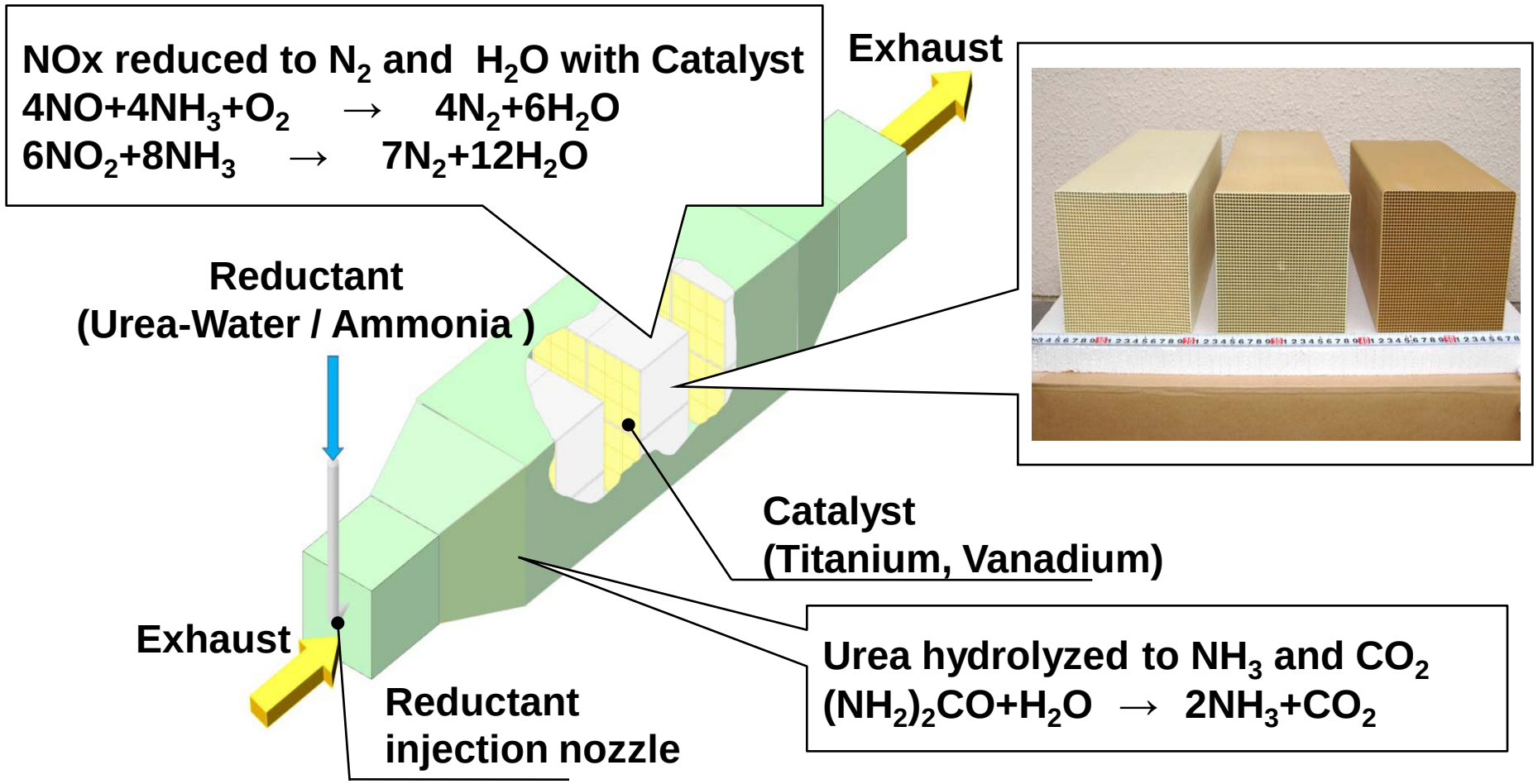
# SCR denitration system

NOx reduced to $N_2$ and $H_2O$ with Catalyst

$4NO+4NH_3+O_2 \rightarrow 4N_2+6H_2O$

$6NO_2+8NH_3 \rightarrow 7N_2+12H_2O$




Urea hydrolyzed to $NH_3$ and $CO_2$

$(NH_2)_2CO+H_2O \rightarrow 2NH_3+CO_2$

※SCR（Selective Catalytic Reduction）
An exhaust-gas after-treatment system, reducing NOx to $N_2$ and water with Catalyst by injecting Reductant into the exhaust

# SCR system conceptual diagram

Attachment 1 (2/2)