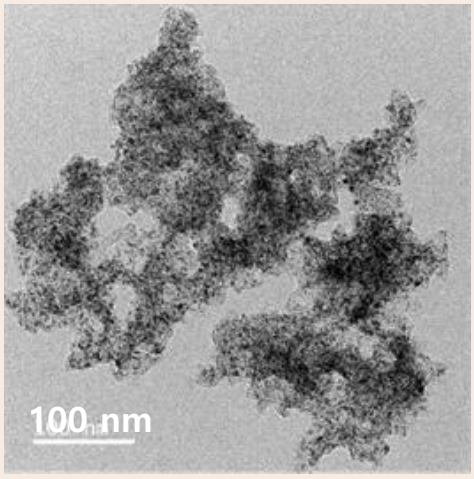
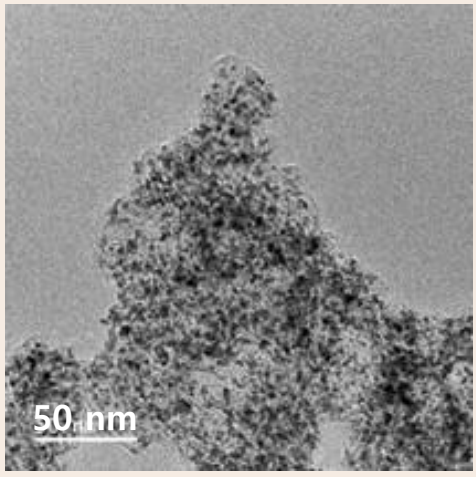
Electrocatalyst

Platinium Catalyst

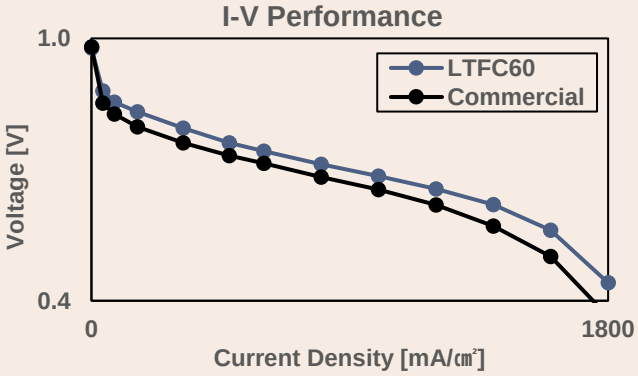
for Fuel Cells
for Water Electrolysis

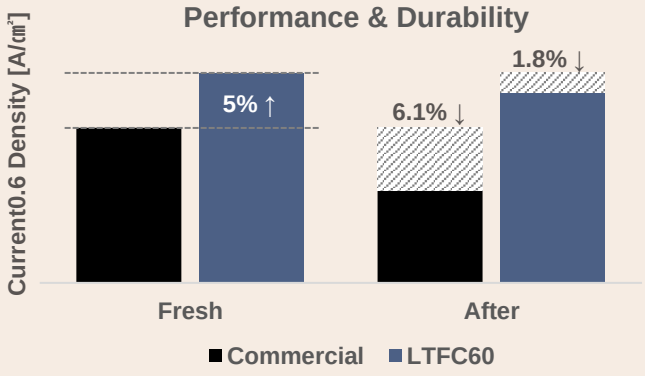
Model.	Pt Content (wt%)	Average XRD Crystalline Size (nm)	Impurity (Fe Content, ppm)	Carbon Support	Electrode type
LTFC93	91~94	3.1~3.3	≤10	High Durability	Cathode
LTFC70	68~71	2.3~2.5		High Durability	Cathode
LTFC60	58~61	2.3~2.5		High Durability	Cathode
LTFC50	48~51	2.3~2.5		High Durability	Cathode
LTFC40	38~41	2.3~2.5		High Surface area	Anode
LTFC35	33~36	1.9~2.1		High Surface area	Anode





* LTFC60 (Pt Content 60%)





*5% improvement in performance and 30% durability compared to commercial products as a result of MEA evaluation

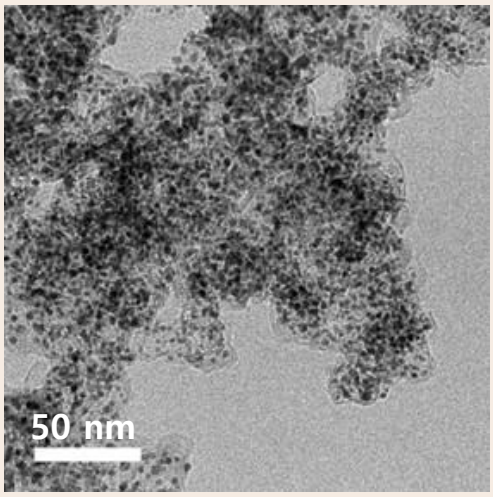
Detailed information available upon request

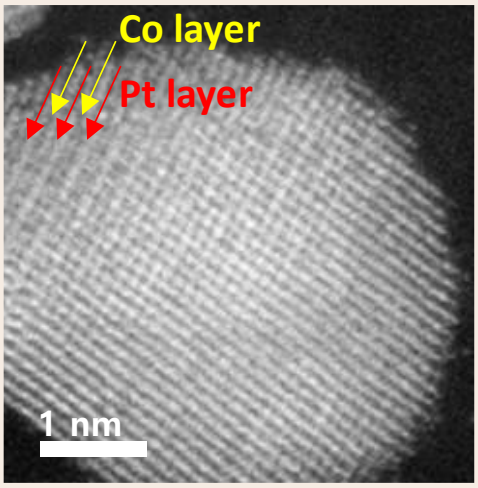
hypark@ltmetal.co.kr

Platinium-Cobalt Catalyst

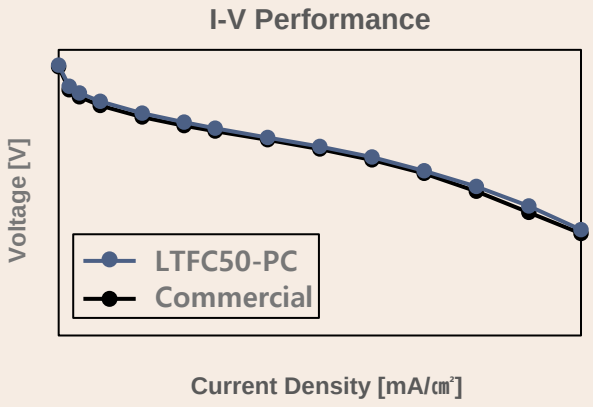
for Fuel Cells

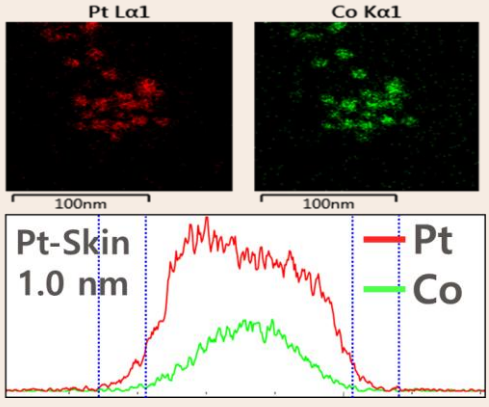
Model.	Pt Content (wt%)	Average XRD Crystalline Size (nm)	Impurity (Fe Content, ppm)	Carbon Support	Electrode type
LTFC60-PC	58~61	4.0~4.5	≤10	High Durability	Cathode
LTFC50-PC	48~51	3.4~3.9		High Durability	Cathode
LTFC40-PC	38~41	3.1~3.4		High Surface area	Cathode
LTFC35-PC	33~36	2.8~3.1		High Surface area	Anode





* LTFC50-PC (PtCo Content 50%)





* Improved Performance and Stability through Fine-tuned Alloying Control

Detailed information available upon request

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