Introduction

FC³, FC-Cubic Polymer Electrolyte <u>Fuel Cell</u> <u>Cutting-Edge Research Center</u>

September 15, 2005 Westin Miyako Hotel, Kyoto, JAPAN



Introduction

FC³, FC-Cubic Polymer Electrolyte Fuel <u>C</u>ell <u>Cutting-Edge Research Center</u>

Director (Chief Research Officer) Dr. Hiroshi HASEGAWA

Deputy Director Dr. Norio IWASHITA



Price/Weight of Industrial Products



Cost Target of FC Stack



Fuel Cells, 2,10 (2002)

The costs of FCV need to be reduced to about 1/100th of current cost!

 $\$6 \sim \$18/m^2$

\$1.6 ~ \$2.4/kW

Establishment of FC³

Request

to set up

METI Fuel Cell Promotion Office Director: Mr. Haruhiko ANDO

Discussion "Back to Basic"

FCCJ: Private Sectors Council for Fuel Cell



METI: Ministry of Economy, Trade and Industry FCCJ: Fuel Cell Commercialization Conference of Japan

Organization of FC³



Director Secretary Deputy Director Assistant Office Manager Assistant

Dr. Hasegawa Ms. Ohsawa Dr. Iwashita Ms. Okada Mr. Uotani Ms. Matsufuji

"Catalyst" Team Team Leader, Dr. Yagi
"Material Transfer at Interface" Team Team Leader, Dr. Ishii
"Electrolyte Membrane" Team Team Leader, Dr. Hasegawa Sub leader, Dr. Takeoka (from April 2006)

Vagi

Vagi

Ishii

Ohsawa

Ishii

Ishi

PARO: The name of a mental commit robot for "Psychological Enrichment" produced by AIST http://paro.jp/english/index.html

Locations of Labs of FC³







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METI: Ministry of Economy, Trade and Industry

Activity of FC³

What happens in Fuel Cell ? How to evaluate the phenomena in Fuel Cell ?

FC3 provides innovative knowledge to industrial sectors by using "Scientific Method".

Plan of Studies





Histories of Odaiba お台場の歴史

In 1853, The Tokugawa Shogunate (government) set up cannons to protect bay area from US ships.





Activity of FC³

FC3 provides results to industrial sectors.

Thank you for your attention