

CONTENTS

PREFACE

GENERAL VIEW OF FUEL CELL DEVELOPMENT IN JAPAN

PRESENT STATUS OF NATIONAL PROJECT FOR FUEL CELL DEVELOPMENT

New Energy and Industrial Technology and Industrial Technology Development Organization

New Energy Foundation

Mie Prefectural Government

OVERVIEW OF FUEL CELL DEVELOPMENT IN INDUSTRIES

The Central Electric Power Council

Japan Automobile research institute

The Japan Gas Association

Petroleum Energy Center

The Japan Electrical Manufacturers' Association

LIST OF FUEL CELL PLANTS

List of PAFC Plants

List of PEFC Plants

FUEL CELL DEVELOPMENT OF FCDIC MEMBERS

1. PHOSPHORIC ACID FUEL CELL

Saibu Gas Co., Ltd.

Tokyo Gas Co., Ltd.

Fuji Electric Co., Ltd.

2. MOLTEN CARBONATE FUEL CELL

Ishikawajima-Karima Heavy Industries Co., Ltd.

Hitachi, Ltd.

Japan Fine Ceramics Center

Chubu Electric Power Co., Ltd.

Mitsubishi Electric Corporation

Central Research Institute of Electric Power Industry

MCFC Research Association

Tohoku University

3. SOLID OXIDE FUEL CELL

Kyushu University

Nippon Shokubai Co., Ltd.

Kyushu Electric Power Co., Ltd.

Nippon Telegraph and Telephone Corporation

Chubu Electric Power Co., Ltd.

Haldor Topsoe International A/S

Electric Power Development Co., Ltd

Mitsui Engineering & Shipbuilding Co., Ltd.

Central Research Institute of Electric Power Industry

Mitsubishi Heavy Industries, Ltd.

Tokyo Gas Co., Ltd.

Mitsubishi Materials Corporation

Toto Ltd.

Yamanashi University

Toho Gas Co., Ltd.

4. POLYMER ELECTROLYTE FUEL CELL

Asahi Kasei Corporation

Tanaka Kikinzoku Kogyo K.K.

Asahi Glass Co., Ltd.

Tokyo Gas Co., Ltd.

Ishifuku Metal Industry Co., Ltd.

Tokyo Institute of Technology

Idemitsu Kosan Co., Ltd.

Toshiba International Fuel Cells Corporation

Engineering Advancement Association of Japan

Tohoku University

Kubota Corporation

ippon Mitsubishi Oil Corporation

Kawasaki Heavy Industries, Ltd.

Mitsubishi Electric Corporation

Sanyo Electric Co., Ltd.

Fuji Electric Co., Ltd.

Three Bond Co., Ltd.

Yamanashi University

apan Gore-Tex Inc.

5. FUEL CELL VEHICLES

Honda R&D Co., LTD.

6. FUEL CELL VEHICLES (I N C L U D I N G H Y D R O G E N)

Ibaraki University

The University of Tokyo

Osaka Gas Co., Ltd.

Nippon Telegraph and Telephone Corporation

Saga University

NewYokohama University

Johnson Matthey Japan Incorporated

LIST OF PUBLICATIONS BY FCDIC MEMBERS

ANNUAL REPORT OF FCDIC ACTIVITIES

FCDIC ORGANIZATION

FCDIC MEMBERS LIST WITH CONTACT ADDRESSES