

February 13, 2013
Mitsubishi Research Institute, Inc.

**Invitation and Application Procedures for Updating the Technical Catalog on
“Machine/ Equipment Development for Decommissioning the TEPCO Fukushima
Daiichi Nuclear Power Plant”**

Mitsubishi Research Institute, Inc. is entrusted from the Agency for Natural Resources and Energy in conducting “Machine/ Equipment Development for Decommissioning the TEPCO Fukushima Daiichi Nuclear Power Plant” to upgrade and to develop a Technical catalog with relevant technologies. As part of this project and in order to develop machine/ equipments necessary in decommissioning the TEPCO Fukushima Daiichi Power Plant, we would like to publicly announce this activity to invite applicable technologies from inside of Japan and from abroad.

[Please click here to view the Japanese Version](#)

1. Overview of this Project

Research and development for the decommissioning of TEPCO'S Fukushima Daiichi Nuclear Power Plant have been conducted by the “Government and TEPCO's Mid-to-Long Term Countermeasure Meeting”, and in order to gather intelligence from in and outside of Japan to promote research and development project of Machine/ Equipment Development for Fuel Debris Removal Preparation, a Technical catalog that includes relevant technologies is being compiled.

However currently, due to the need to revise the relevant technologies that are included in the catalog so that it reflects the progress of research and development, we, Mitsubishi Research Institute, Inc. are entrusted by the Agency for Natural Resources and Energy to gather further intelligence in and outside of Japan to revise and to upgrade this Technical catalog and we would like to publicly announce this activity and invite applications for other applicable technologies.

For those who agree with the purpose, please follow the application procedures described below.

Thank you very much for your cooperation in advance.

2. Technologies Intended for Request

The following technologies are in request. Please refer to the attachments for details.

● A Technology to Move and Investigate Inside the Nuclear Reactor Building

In order to conduct investigations inside the nuclear reactor building, technologies that will be necessary are:

- 1) a flight technology to enable access to the top floor of the nuclear reactor building and
- 2) a technology to move around and conduct investigations under water in a flooded reactor building.

Another point to consider is the high radiation and its narrow and complex working environment.

Examples of the technologies we are seeking are a small Unmanned Aerial Vehicle that can fly and sense its position to conduct investigations at the top floor of the reactor building, and a technology to swim and work inside a flooded and complex structured reactor building.

[Please click here to refer the attachments](#)

3. Application Procedures

(1) Proposal Documents

The proposal documents to be submitted consist of the following two documents; Format 1 and 2.

Please note that we will submit Format 2 and other reference materials to the Agency for Natural Resources and Energy as they are commissioning this project. In regards to Format 2, they will be publicized once your technology is selected for publication on the Technical Catalog.

Also for reference, if you have any photos or drawing that can be publicized on the Technical Catalog, please attach them to Format 2. If not to be publicized, please attach them to the optional Format 3.

< Requirements >

Format 1: Proposal Title and Applicant Name

Format 2: Technical Catalog Proposal

< Optional >

Format 3: Please attach any supporting documents of the proposed technology deemed necessary.

[Please click here to download Format 1 and Format 2](#)

(2) Location of Application Submission

Please submit your proposal to the following address:

Yasuyuki Nanamori and Atsushi Usami
Technical Catalog Research Team
Mitsubishi Research Institute, Inc.
e-mail : tech-catalog@mri.co.jp

(3) Due Date

No later than 13PM of Friday, March 15th, 2013 (Japan Time)

4. Evaluation of Proposal

The evaluation of your proposal for the Technical Catalog shall be strictly reviewed for selection by Mitsubishi Research Institute, Inc. (MRI) based on the effectiveness and feasibility of the technology and considering the purpose of this request. The revised Technical Catalog which reflects the result of the evaluation will later be publicized. Please note that the evaluation process and progress are confidential.

All information related to the technologies that had been submitted, including ones that have not been included in the Technical Catalogs will be submitted to the Agency for Natural Resources and Energy as a deliverable. Please be aware that, even in case your proposal is chosen for the catalog, it does not mean such technology will be adopted for research and development. It will be reviewed separately depending on the progress of each project to determine the adoption of the technology.

5. Other Notes

We are unable to provide any further information regarding the proposal application other than what is explained on this website.

6. Reference Material

Please refer to the following link for the related symposium information in the past:

International Symposium on Decommissioning of TEPCO's Fukushima Daiichi Nuclear Power Plant Unit 1-4

http://www.meti.go.jp/english/earthquake/nuclear/decommissioning/20120315_01.html

7. Protection of Personal Information

The Protection of Personal Information notification is facilitated by Mitsubishi Research Institute, Inc. (herein after referred to as the “Institute”) for the applicants of Updating the Technical Proposal on “Machine/ Equipment Development for Decommissioning the TEPCO Fukushima Daiichi Nuclear Power Plant” which is a project entrusted by the Ministry of Economy, Trade and Industry of the Japanese Government.

Personal information of the survey respondents will be properly managed and protected in the manner described below. Please develop and submit the proposal upon consent to the following information:

1. Personal Information Protection Policy	Mitsubishi Research Institute, Inc. was certified and granted the Privacy Mark by the Japan Information Processing Development Corporation (JIPDEC) on January 8, 2003. The Institute shall adopt and maintain a system to strictly manage and protect the respondents’ personal information in accordance with our Personal Information Protection Policy.
2. Purpose of Use	Personal information shall be used only for the purpose of inquiring the respondent regarding the technical contents of the proposal. Otherwise, if the Institute needs to use personal information for a different purpose, we will contact the respondent in advance to gain approval.
3. Provision of Personal Information to a Third Party	The Institute shall not provide nor disclose respondents’ Personal Information to any third party.
4. Entrusting Personal Information to Outside Parties	The Institute shall not entrust any work to outside parties that includes respondents’ personal Information.
5. Handling of Personal Information after Use (Storage Period)	The institute shall responsibly discard all personal information managed and protected by the Institute after conclusion of this project.
6. Arbitrary of Providing Personal Information and its Consequences	Respondent may leave the Personal Name column blank if he/she does not wish to disclose his/her name.
7. Contact Information	Masatoshi Nishizawa Chief Privacy Officer and Executive Vice President Mitsubishi Research Institute, Inc. Tel: 81 3 5157 2111 eMail: privacy@mri.co.jp

For questions, complaints, consultation or other inquiries, please contact our Corporate Communications Division

Tel: 81 3 6705 6004

Fax: 81 3 5157 2169

E-mail: prd@mri.co.jp

URL:

https://security.mri.co.jp/MRI/inquiry/cgi-bin/inq_form.cgi?cn=eng

◆ For further details of our Personal Information Protection Policy, please visit our website at: <http://www.mri.co.jp/E/TOP/security.html>

◆ For other inquiries, please send your email to Yasuyuki Nanamori and Atsushi Usami of the Technical Catalog Research Team at tech-catalog@mri.co.jp

Thank you in advance for your kind attention.