[Form 2 (to be reported to Committee on Countermeasures for Contaminated Water Treatment and to be disclosed to public)

Technology Information	
Area	1 (Select the number from “Areas of Technologies Requested”)
Title	Small laser mounted on small and remote controlled robotics
Submitted by	Chris van Felius

1. Overview of Technologies (features, specification, functions, owners, etc.)

Try to get a small laser in to cut the debris and the rods in small pieces for easier removal. As far as I know your excellent Japanese technology on this matter, both robotics and laser, you should be able to come up with a good solution yourself.

And might I take this occasion to complement you on both the workings of the reactors and your emergency and overall response to both the accident itself and the entire aftermath uptill now. Excellent! This was an overall consensus amongst the four nuclear authorities I contacted and visited in the Benelux in recent weeks. (Over my student and professional life I visited more than dozens of big energy installations, including numerous nuclear, like Doel (be), Thiange (be), Tsjernobyl (at a distance), Celyabinsk, Iran (from the mountain) etc.)

2. Notes (Please provide following information if possible.)

- Technology readiness level (including cases of application, not limited to nuclear industry, time line for application)

As understood from the documents and my own observation, you already have robotics available, which could be adapted to carry and steer a small industrial strength laser and a small arm to pick up the pieces to put them in a small container to take it out of the reactor for treatment and regular nuclear waste treatment

- Challenges

- Others (referential information on patent if any)

【Areas of Technologies Requested】

(1) Accumulation of contaminated water (Storage Tanks, etc.)

(2) Treatment of contaminated water (Tritium, etc.)