

Human Resources Development Program for Ninh Thuan 2

-From Japanese Utilities` Standpoint-

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JINED

International Nuclear Energy Development of Japan

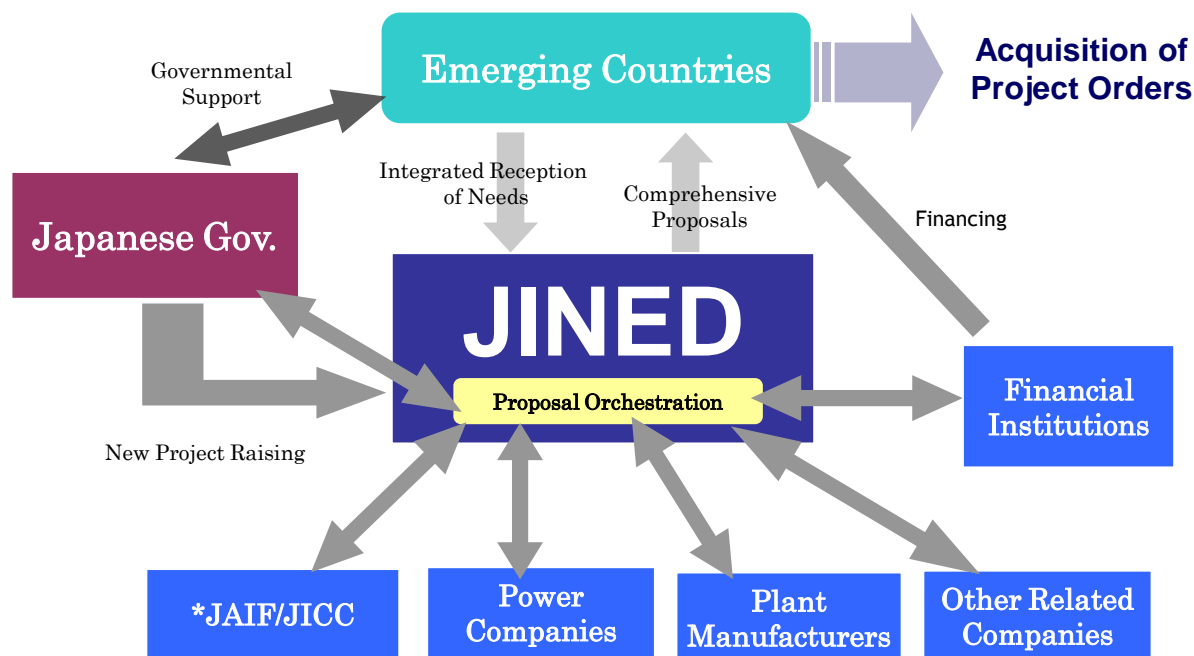
ATOMEXPO-2012

June 4th, MOSCOW

What is “JINED” ?

- To Promote Nuclear Package to Emerging Countries, Government (METI), Utilities and Nuclear Manufactures Agree to Form New Company
- Establish on Oct.2010, by 9-Utility, 3-Manufactures and Innovation Network Corp.(Semi-Gov.) (CEO: Ichiro Takekuro, ex-TEPCO VP)
- **Vietnam - first counterpart.**

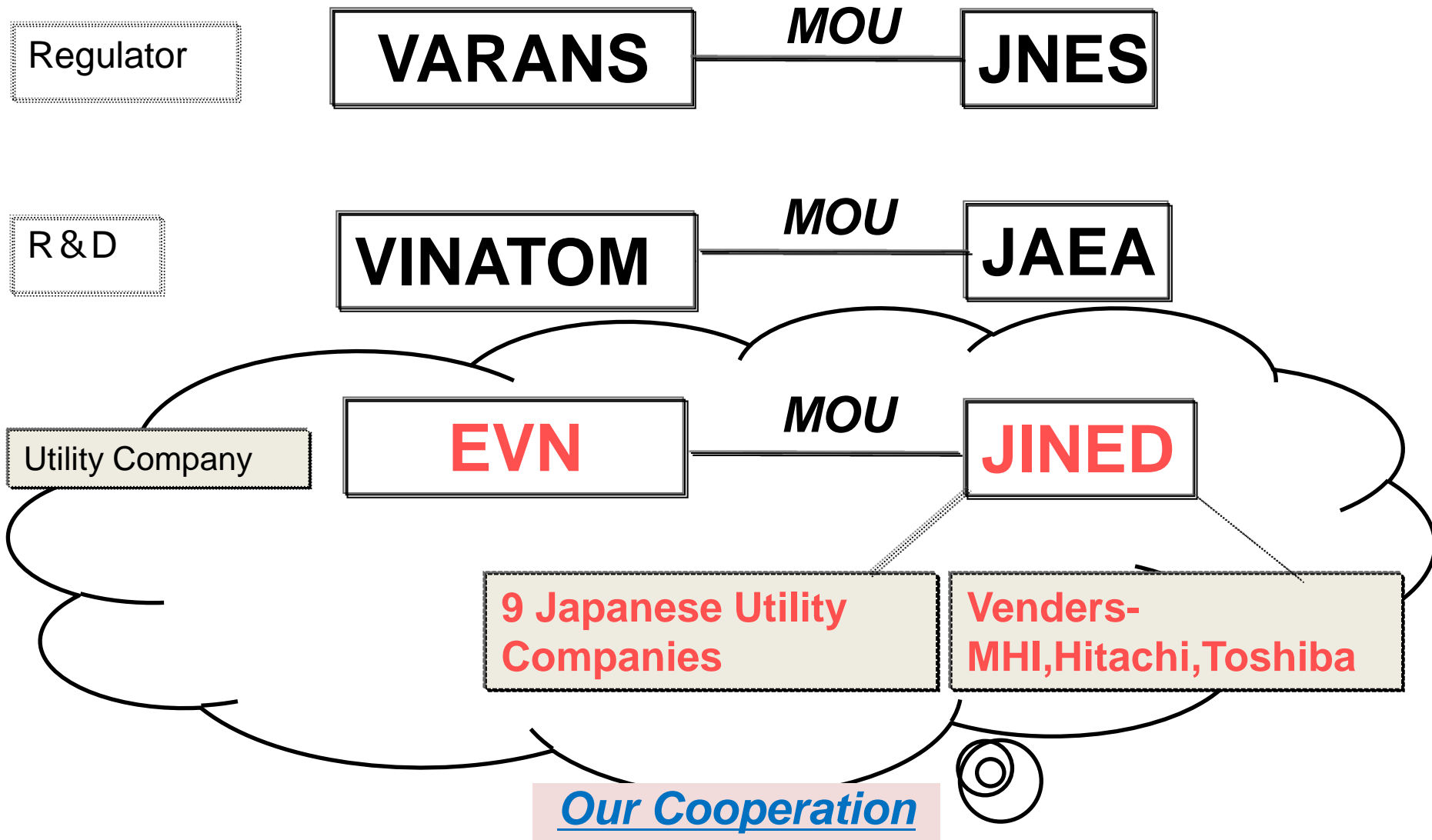
To Counsel Their Needs with Government Political Support– Construction, Operation, Maintenance, HRD program, Finance as one-window



Six Requirements by Vietnamese Gov.

1. Proven and Advanced Technology
2. Financial Support
3. Support in Human Resources Development
4. Stable Supply of Nuclear Fuel
5. Support in Spent Fuel and Radioactive Waste Management
6. Support in Development of Nuclear Industry in Viet Nam

Cooperation between V-J Organizations



Japanese Experiences: HRD Steps for 1st Reactor

(Example - Kansai Electric`s History)

1965.11 Open Pre-Construction Office

1966.4 Decided to introduce WH-PWR for Mihama #1

1966.12 Open Construction Office (42person – All Thermal Dept.)

1967.5 Start Construction *-Construction Work done by Venders (U.S&J)-*

1967.12 – 1968.11 Core Members to U.S (6person- 4 Thermal, 2-Nuclear)

1968.6 – 1969.5 Core Members to U.S (6person- 4 Thermal, 3-Nuclear)

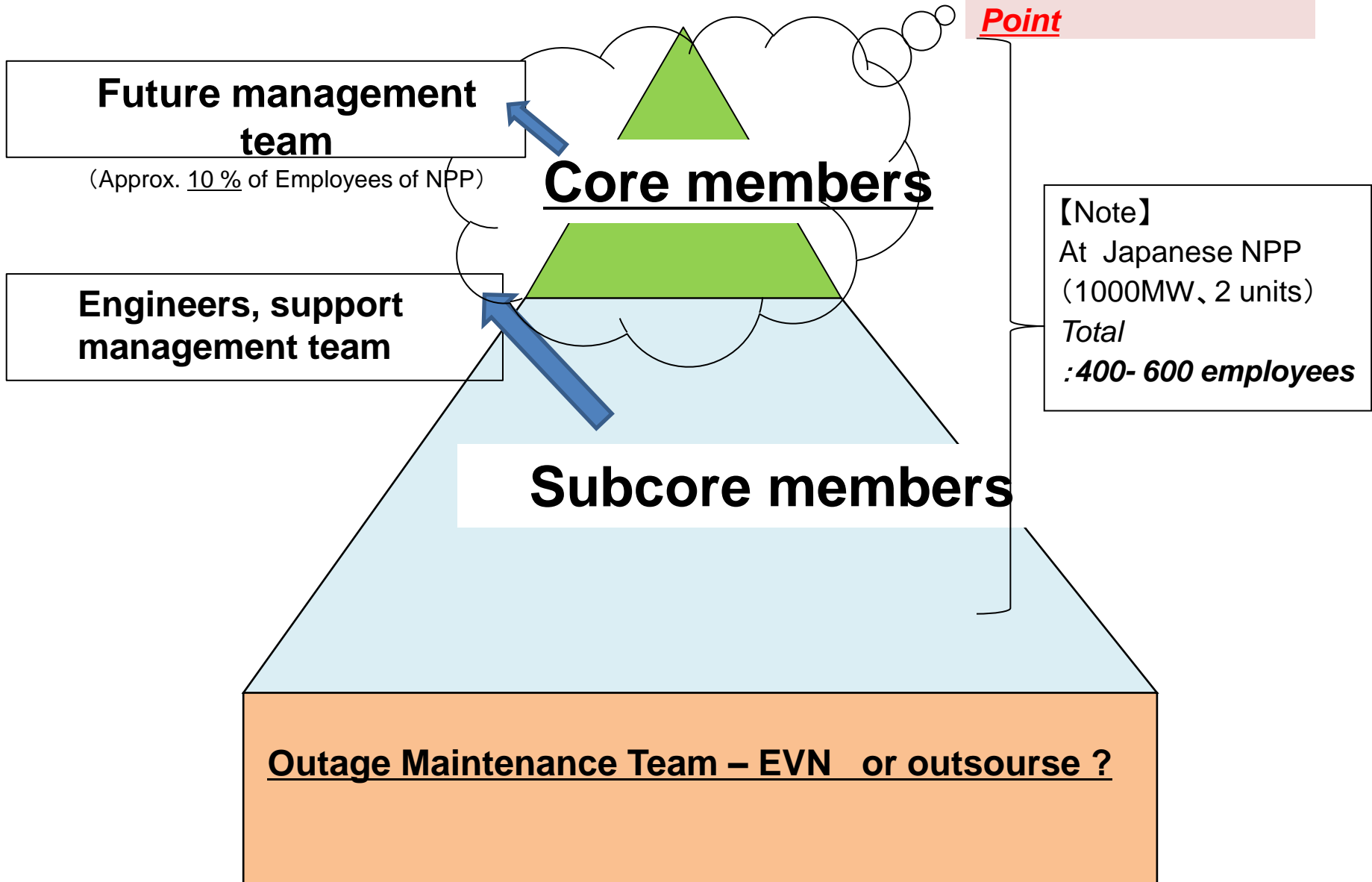
-After returning from U.S, they trained staffs and translated manuals

1969.6 Open Pre-operational div. (120 – almost Thermal Dept.)

1970.11 Mihama #1 Commercial Operation Started

Ninh Thuan #2 HRD Basic Concept

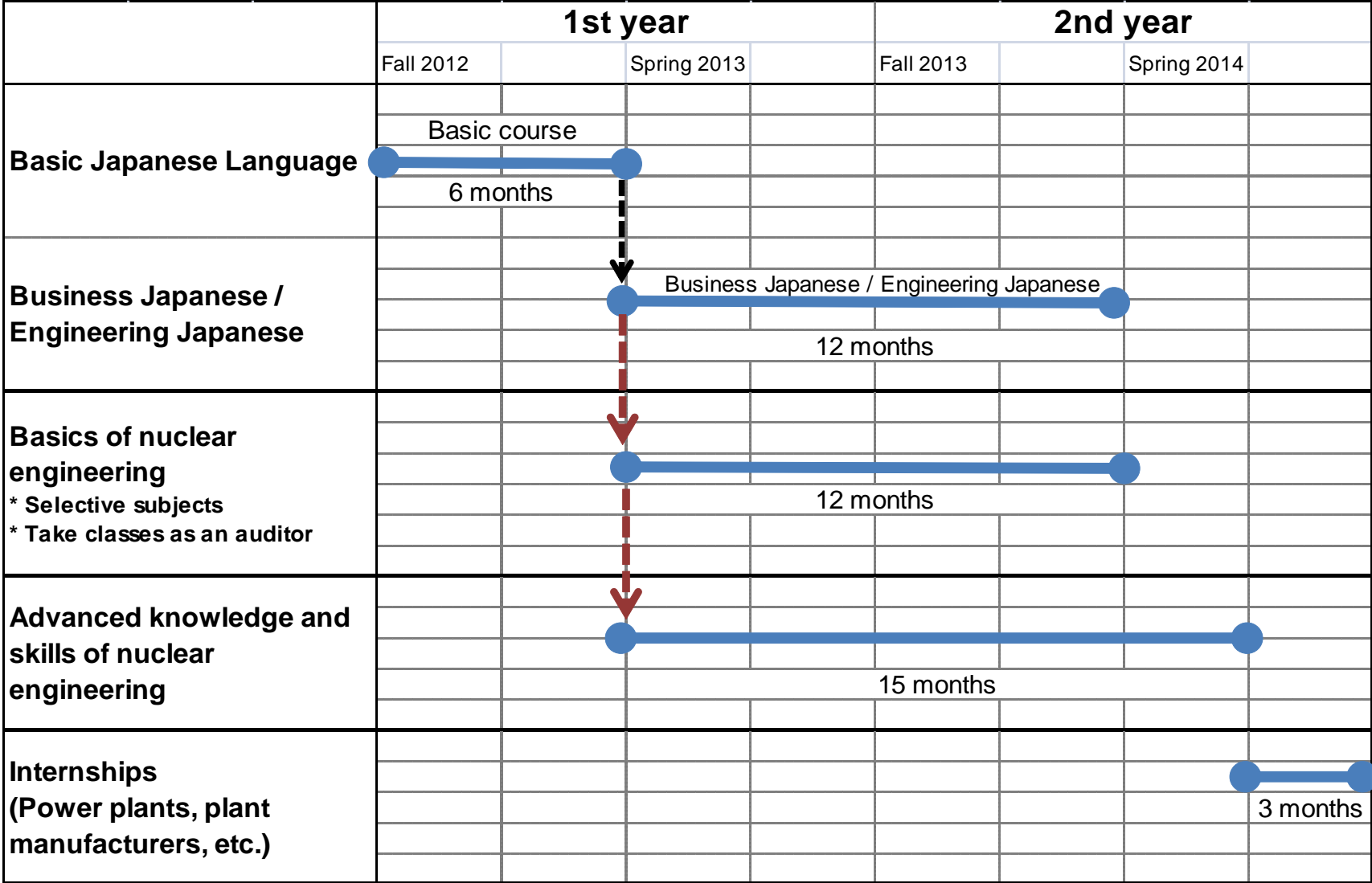
Today's Discussion Point



Ninh Thuan#2 HRD Basic Concept (2)

- 1、 Core members will **Learn Japanese Language**
Should be helpful for communication w/Japan team
through on-the-job training & construction period
- 2、 Core members will **train EVN staffs** as mentors w/Japan team
through on-the-job training
- 3、 **Manuals and documents** will be provided under EPC contract
and **should be translated into your language** -Vietnamese by EVN,
and then use for training purpose
- 4、 **Excellent and English capable Core members** can enter Master Courses
of Japanese Universities

Basic Schedule for Core members @Tokai Univ.



Ninh Thuan #2 HRD Road Map (for Core Members-draft)

EVN Organization



	FY	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1	Key Date			JAPC FS	AOTS								▽Start Operation	
2	Japanese Language Lesson			Japanese Language Lesson via Internet										
3	Tokai Univ. (Japanese Language & Nuclear)			1st group	2nd group									
4	ditto					3rd group				Master Degree Course				
5	On the Job Training (at Japan & Vietnam)					Training under EPC contract OJT – Japanese NPP, Factory			OJT – at Ninh Thuan Site					
6	Design Stage (Japan Team)				Detailed Design, Procurement, Manufacturing, Assembling at Japanese Factory						participate			
7	Construction (Japan Team)						Civil Work	Construction		Test Operation				
8	Operators Training					Simulator design		Simulator Construction		Simulator Training				

Schedule 2012&2013 (tentative for HRD)

2012

• 2nd & 3rd QT

- Up-date Curriculum of Tokai Univ.
- Core member Selection

• 4th QT

- 1st Group Start @Tokai Univ. Program (Japanese Language Lesson)

2013

• 2nd QT

- 1st Group Start Program (Nuclear Engineering Course)

• 4th QT

- 2nd Group Start @Tokai Univ. Program (Japanese Language Lesson)