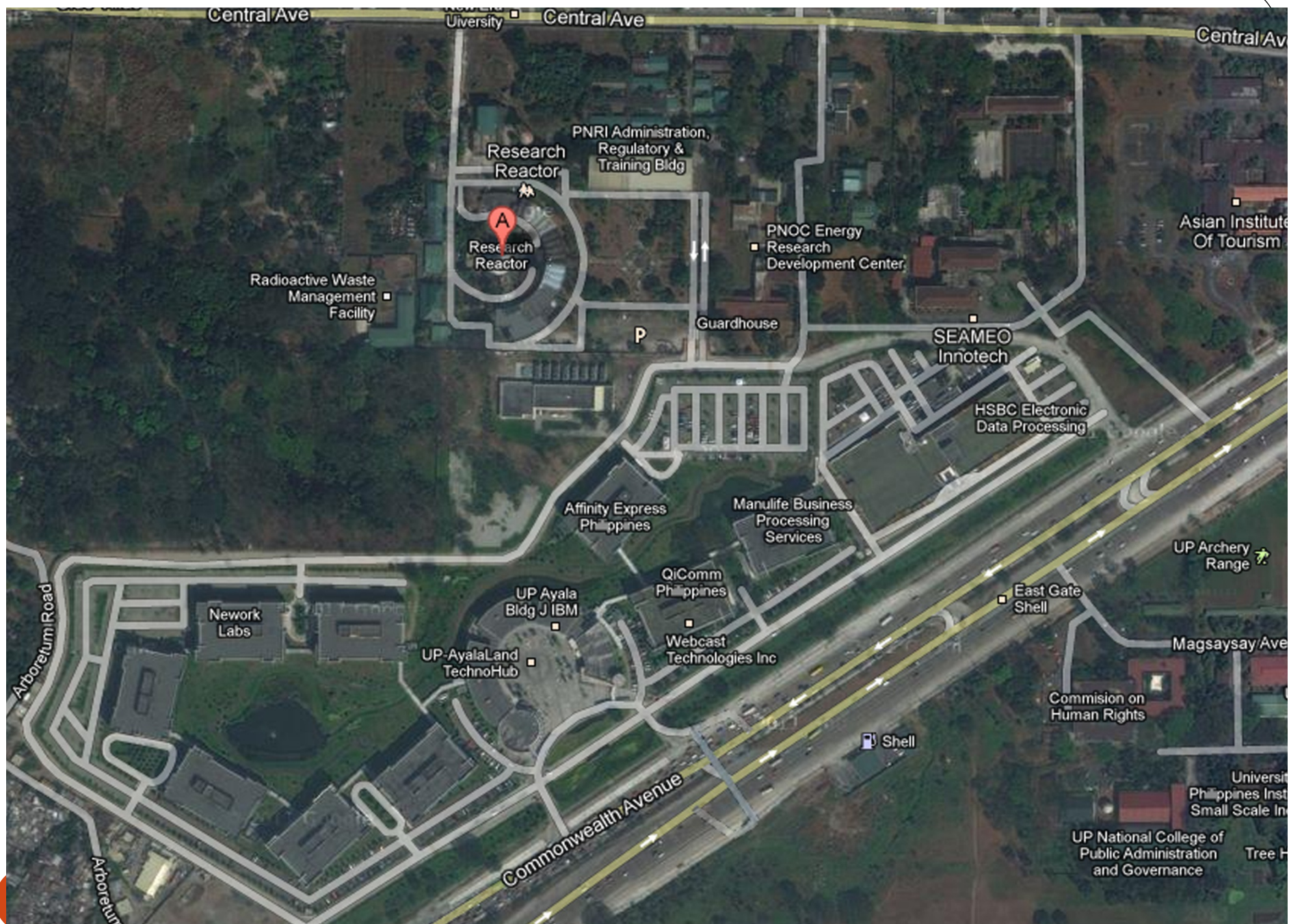


Nuclear Power : Initiatives and Developments in the Philippines

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PNRI Mandate

1987 - In Executive Order No. 128, the NSTA was reorganized to the Department of Science and Technology (DOST) and PAEC became the **Philippine Nuclear Research Institute (PNRI)**

To undertake research and development activities in the peaceful uses of nuclear energy, to institute regulations on the said uses and to carry out the enforcement of said regulations to protect the health and safety of radiation workers and the general public.

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graph TD; A([Dual Mandate]) --> B[Promote the peaceful applications of nuclear energy]; A --> C[Regulate the safe utilization of nuclear energy]
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Dual Mandate

Promote the
peaceful
applications of
nuclear energy

Regulate the
safe utilization
of nuclear
energy



Office of the Director

Office of the Deputy Director

Planning

Atomic
Research Div.

Nuclear Services
Div.

Nuclear
Regulatory Div.

Technology
Diffusion Div.

Agricultural

Nuclear Reactor
Operations

Regulations and
Standards Dev't

International
Cooperation

Biomed

Isotope Techniques

Inspection &
Enforcement

Nuclear
Training

Health Physics

Nuclear Analytical
Techniques

Licensing, Review
and Evaluation

Business Dev't

Applied
Physics

Irradiation

Nuclear Safeguards
and Security

Management
Information
System

Nuclear
Materials

Radiation Protection

Radiological
Impact
Assessment

Information
and Library
Services

Chemistry

Engineering

Finance and Administrative Div.



Chronological Milestones

Year	Events
1950	Preliminary Feasibility Study
1960	IAEA Conducted Prospective Survey prospects
1962	Technical and Economic Study
1963	Second Pre-Investment Feasibility Study for NPP

Chronological Milestones

Year	Events
1965	Pre-Feasibility Study Completed
1967	Meralco Bid for a 300-500 MWe NPP for 1975
1972	Sequel Feasibility Study by IAEA
1973	Government decision to acquire and establish NPP at Bagac, Bataan to be implemented by NPC.
1974	Initial Discussions with GE and Westinghouse



Chronological Milestones

Year	Events
1976	Contract Between NPC and Westinghouse signed
1977	<ul style="list-style-type: none">• NPC submitted the Preliminary Safety Analysis Report (PSAR) to PAEC.• NPC filed an application to PAEC for a Construction Permit.
1979	Construction Permit Issued
1982	The Final Safety Analysis Review or FSAR was filed with the PAEC

Chronological Milestones

Year	Events
1984	Hot Functional Tests of all plant components were completed and the initial synchronization to the grid was performed Nuclear fuel was delivered at site.
1985	IAEA OSARTii review operational readiness of the NPP Public Hearing for Licensing
1986	PNPP Mothballed









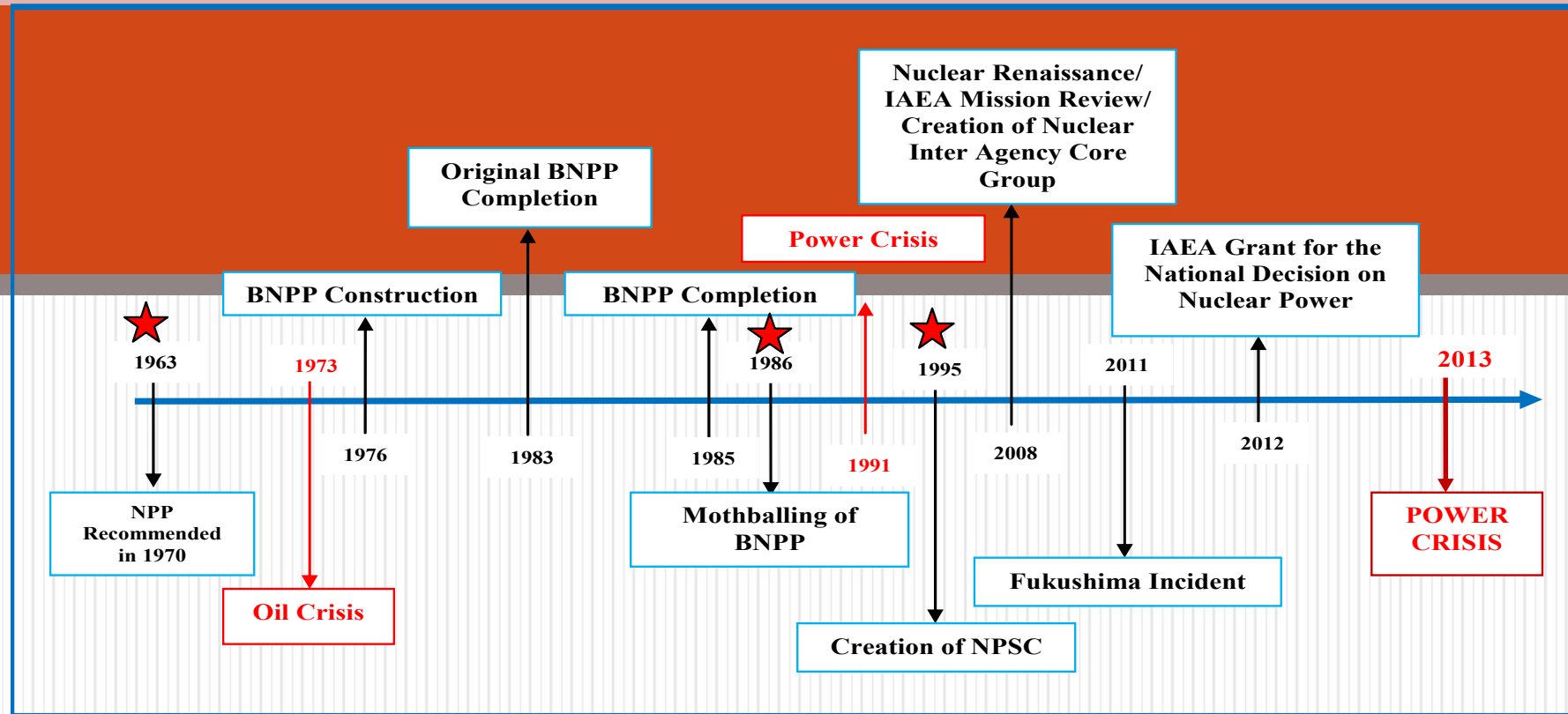
Hot Functional Test



Chronological Milestones

Year	Events
1995	Executive Order 243 Created the Nuclear Power Steering Committee
1997	Nuclear Fuel sold to Siemens
2007	Feasibility Study of rehabilitating the country's Bataan Nuclear Power Plant (BNPP).
2008	MOU Signing between NPC & KEPCO
2009	KEPCO Started FS of BNPP
2010	KEPCO Submitted Final Feasibility Report for BNPP

HISTORICAL TIMELINE:



The FUTURe ????????????

- **Information Education & Communication: Open the BNPP to Public**
- **Technical Assistance to Congress**
- **Human Resource Capacity Building**
- **Establish National Position on Nuclear Power Generation**
- **Conversion to other Power plant**
- **Museum**
- **Training Facility**

Thank you!

www.napocor.gov.ph

www.pnri.dost.gov.ph