# Development of the supply chain: relying on local industrial involvement

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# Localization must be a national program supported by the Government

#### **VENDOR**

- Assessment of local industry
- Supplier Development program
- Supplier days
- Skill and technology transfer
- Support to partnership

### LOCAL INDUSTRY

- ► Professional organizations
- Commitment of companies top management
- ► Investment
- Safety culture and Project management orientation

### GOVERNMENT

- Clear picture on the Program size (fleet approach)
- ► Training programs
- Funding solutions
- Factory upgrade and/or new factories investment

to support a strong and mature Nuclear Supply Chain



Continuous process to be implemented up front of the Program



## Illustration: UK Nuclear AMRC launched in 2009

### Nuclear AMRC: Work Programmes

Manufacturing
Process R&D

Aimed at ensuring that the UK nuclear manufacturing supply chain has the capability to compete on cost, quality and time to delivery in the civil nuclear market

Training & Skills
Development

Aimed at ensuring that the nuclear manufacturing supply chain has the skills required to compete in the global civil nuclear market (Apprenticeships, CPD, etc. to PhD/Eng.D)

Quality, Codes & Standards

Aimed at ensuring manufacturers have clarity and knowledge on quality requirements, nuclear codes and standards, and are supported in meeting and exceeding these





# Lessons learned – key success factors for local companies

#### **Selection process**

- Safety culture implementation
- Supply chain control
- Quality requirements understanding
- Project management capacity
- Documentation management
- Design monitoring and software qualification
- Manufacturing activity control (test...)

### **Supplier involvement**

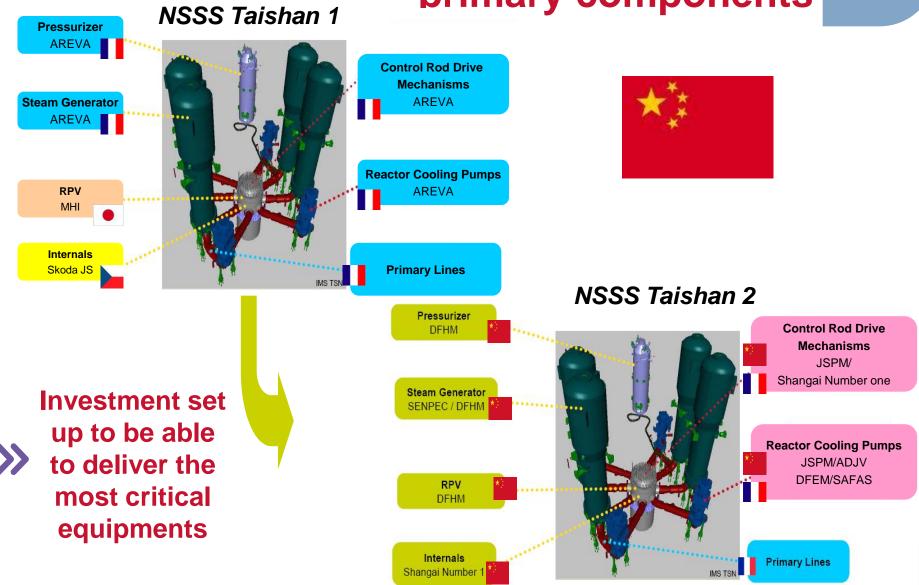
- Top management commitment
- Employees safety culture
- Quality Assurance + Quality Control
- **▶** Sub-contractor management
- Non-conformance management
- Dedicated team
- Partnership / JV with experimented suppliers



No compromise on quality requirements



Example of successful localization for primary components



# Conditions to decide and reach a realistic target

- 1 Understand the role of the government and the owner
- Assess the time needed for qualification of industry
- Understand the cost for local companies entering a new business
- Overall program schedule should allow for the development of a local program
- Regulatory rules must be fully understood by all affected parties
- **Quality** is never considered a trade off

