



# Localization for Poland

## Case Study – NPP Localization in Korea

10 December 2020

- I. Why Localization?
- II. Korea's Experience & Recommendations for Poland
- III. Summary



# Why Localization?

# Benefits of Localization



## Local Industries

- **Technology transfer**
- **Long-term growth**
- **Strengthen partnership**

## For Government

- **Economic growth**
- **Job creation**
- **High-tech development**

## For EPC contractor

- **Secure supply-chain**
- **Project risk minimization**
- **Effective logistics**

A large green square with a white border containing the number "2" in a bold, green, sans-serif font.

# 2

## Korea's Experience & Recommendations for Poland

# Localization History

- Turnkey Approach by Foreign Suppliers (1970s)

1970s



## Introduction of Nuclear Power

- Turnkey Approach
- Led by foreign suppliers

Kori 1,2  
Wolsong 1

# Localization History

- **Turnkey Approach by Foreign Suppliers (1970s)**

1970s



## Introduction of Nuclear Power

- Turnkey Approach
- Led by foreign suppliers

Feedback on Experience and Recommendations for Poland

- **Human Resources Development**
- **Legal System**
- **Selection of overseas company**
- **Contract to include training and localization**
- **Document Management System**

Kori 1,2  
Wolsong 1

# Localization History

- **Non-Turnkey Approach (1980s)**

1970s



## Introduction of Nuclear Power

- Turnkey Approach
- Led by foreign suppliers

Kori 1,2  
Wolsong 1

1980s



## Promotion of Localization

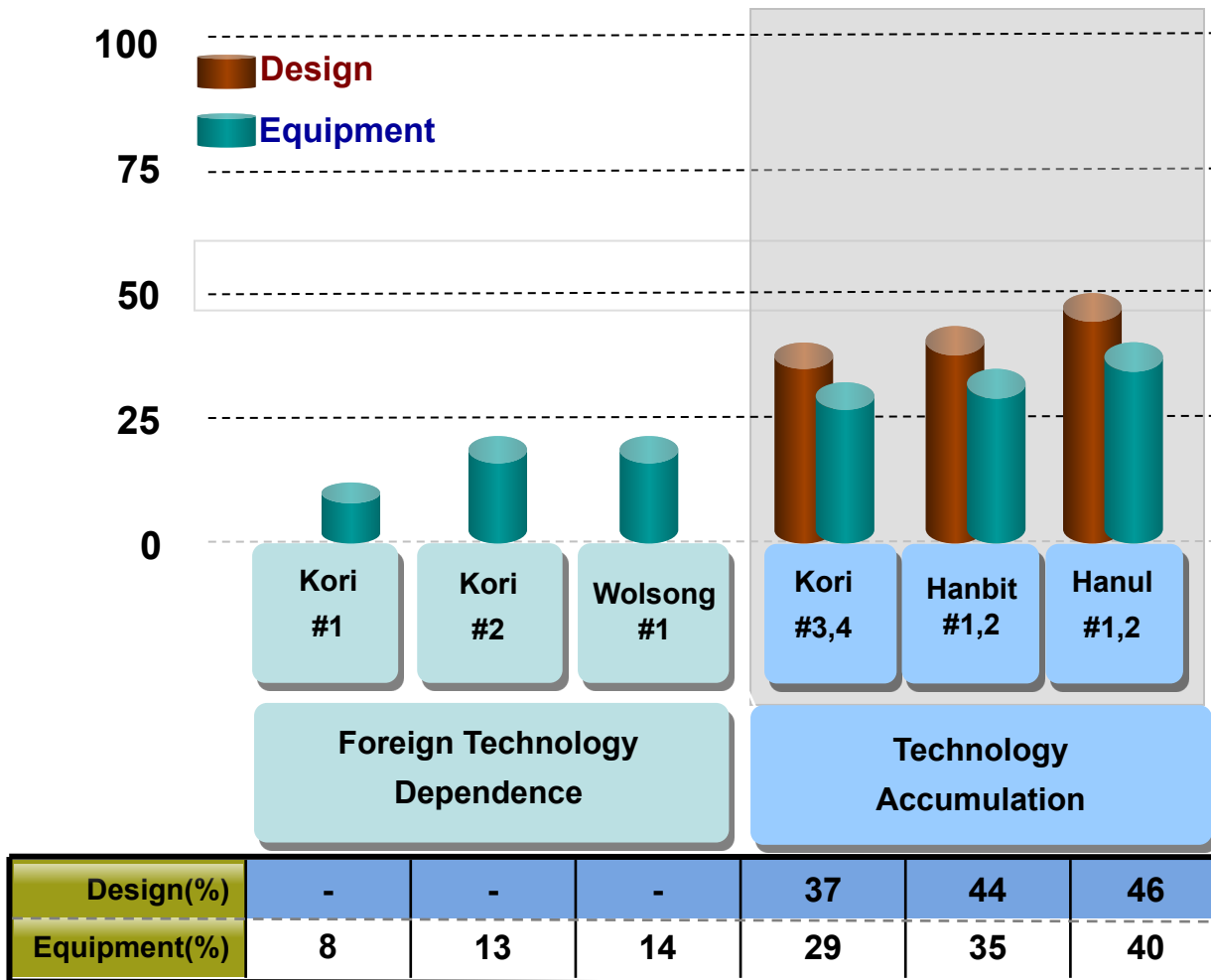
- Non-Turnkey Approach
- Joint implementation
- Localization plan

Kori 3,4  
Hanbit 1,2  
Hanul 1,2



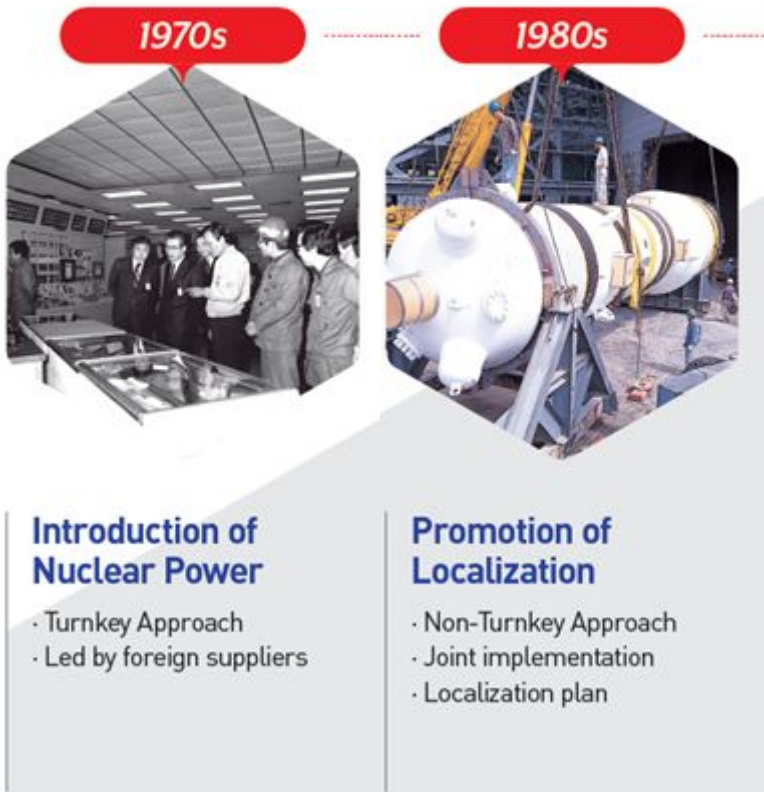
# Localization Result (Non-Turnkey)

Localization Ratio (%)



# Localization History

- **Non-Turnkey Approach (1980s)**



Feedback on Experience and Recommendations for Poland

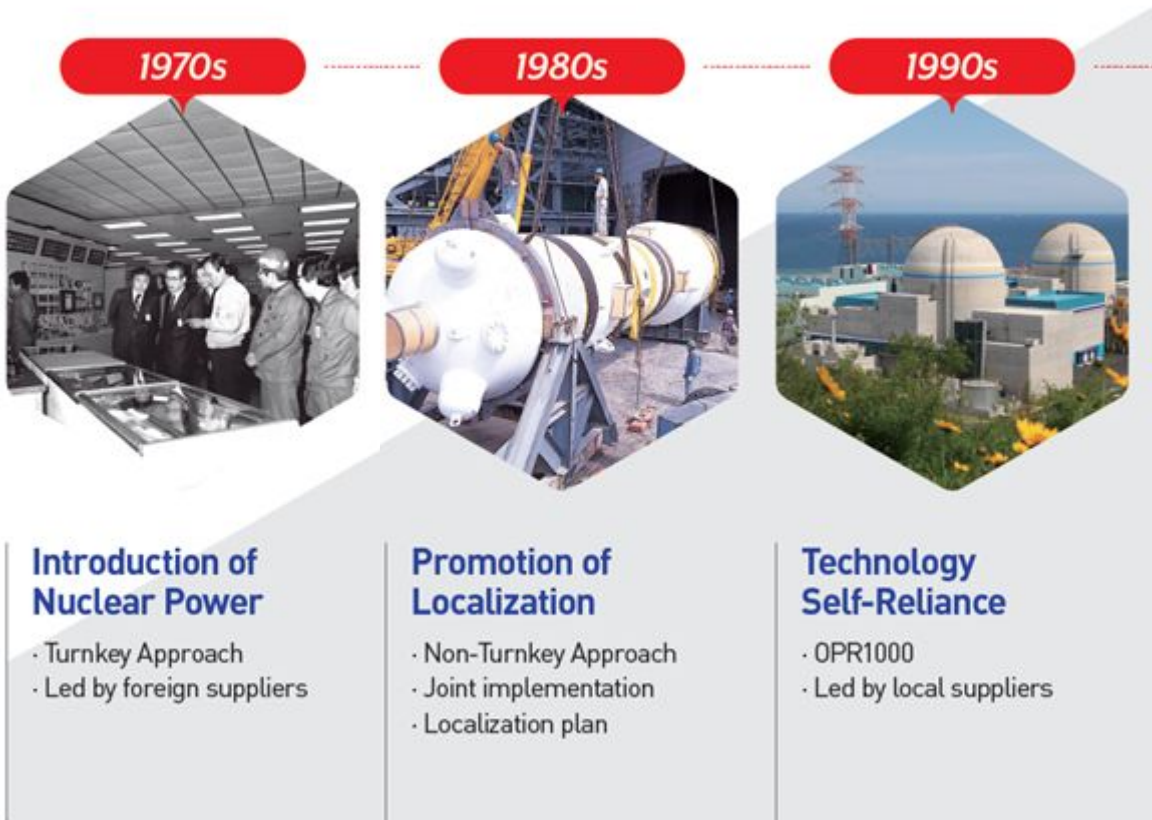
- **Project management capability**
- **Localization and industry rationalization policy**
  - Equipment manufacturer specialization
- **Secure professional experts**
  - Hiring Specialized/Experienced company

Kori 1,2  
Wolsong 1

Kori 3,4  
Hanbit 1,2  
Hanul 1,2

# Localization History

- **Technology Self-Reliance**



**Kori 1,2**  
**Wolsong 1**

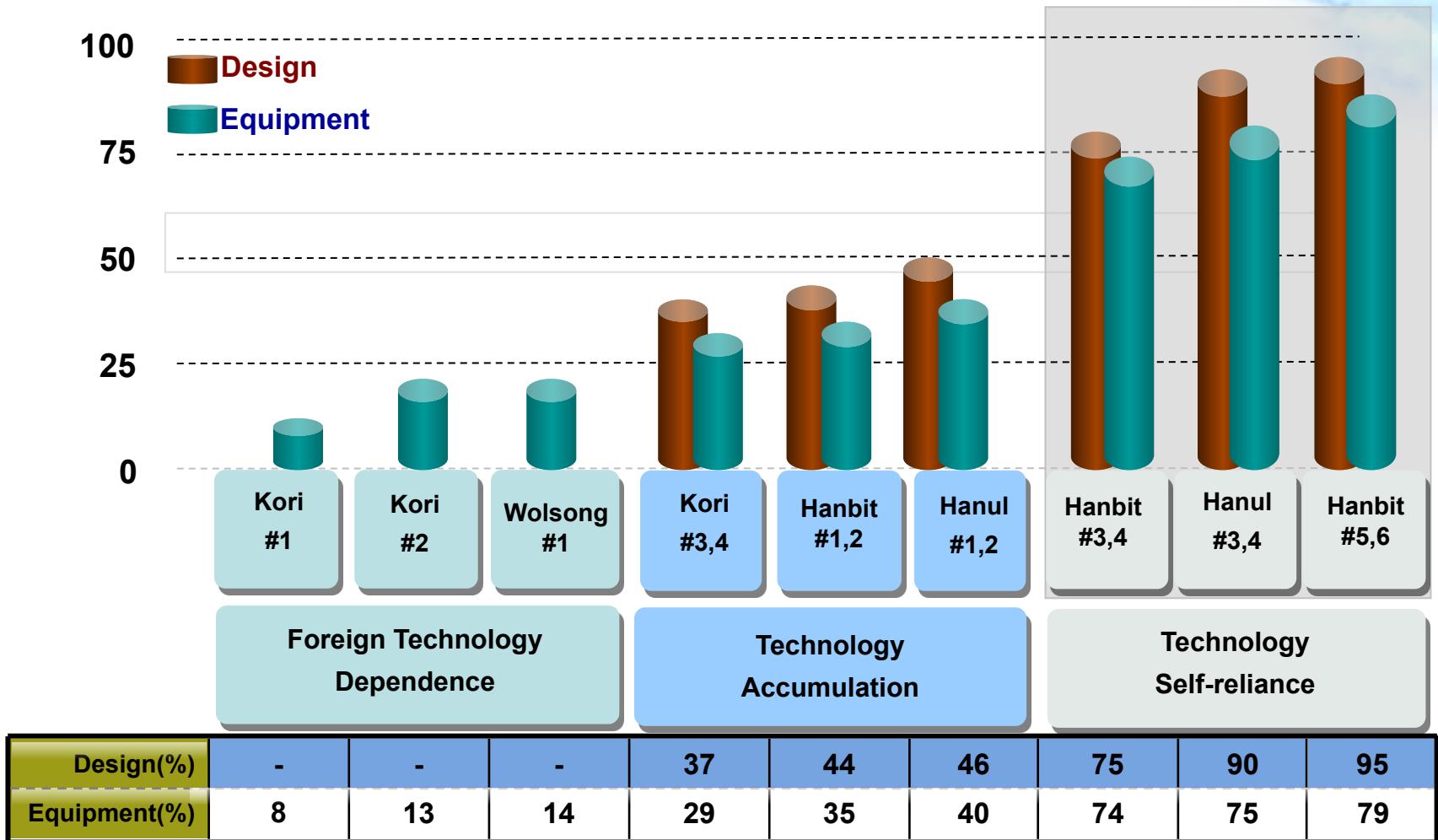
**Kori 3,4**  
**Hanbit 1,2**  
**Hanul 1,2**

**Hanbit 3,4,5,6, Wolsong 2,3,4**  
**Hanul 3,4,5,6**  
**Shin-Kori 1,2**  
**Shin-Wolsong 1,2**

# Localization Result (Self-Reliance)

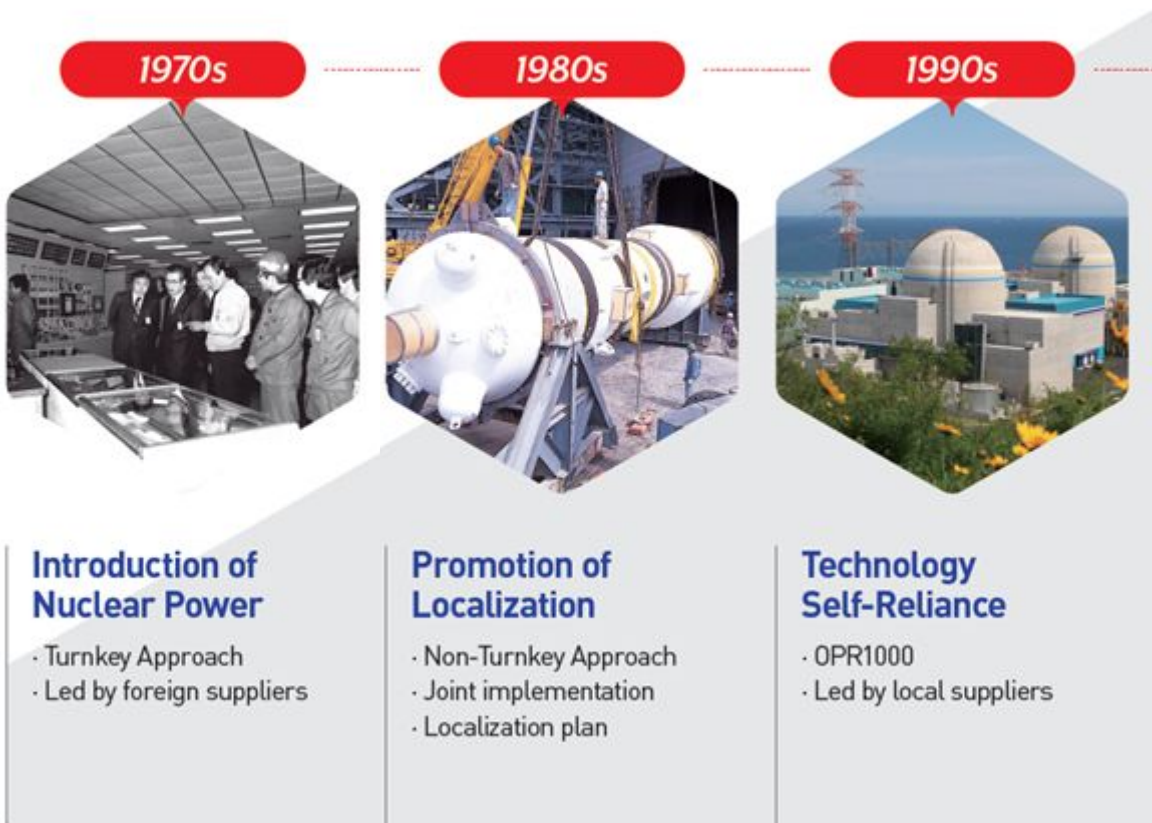


Localization Ratio (%)



# Localization History

- **Technology Self-Reliance**



Feedback on Experience and Recommendations for Poland

- **Technology self-reliance policy**
- **Technology Transfer**
- **Research & Development**
- **Education & Training**

Kori 1,2  
Wolsong 1

Kori 3,4  
Hanbit 1,2  
Hanul 1,2

Hanbit 3,4,5,6, Wolsong 2,3,4  
Hanul 3,4,5,6  
Shin-Kori 1,2  
Shin-Wolsong 1,2

# Localization History

- Advanced R&D



Kori 1,2  
Wolsong 1

Kori 3,4  
Hanbit 1,2  
Hanul 1,2

Hanbit 3,4,5,6, Wolsong 2,3,4  
Hanul 3,4,5,6  
Shin-Kori 1,2  
Shin-Wolsong 1,2

Shin-Kori 3,4,5,6  
Shin-Hanul 1,2  
BNPP 1,2,3,4

# Localization History

- Beyond Technology Independence



Kori 1,2  
Wolsong 1

Kori 3,4  
Hanbit 1,2  
Hanul 1,2

Hanbit 3,4,5,6, Wolsong 2,3,4  
Hanul 3,4,5,6  
Shin-Kori 1,2  
Shin-Wolsong 1,2

Shin-Kori 3,4,5,6  
Shin-Hanul 1,2  
BNPP 1,2,3,4



## Summary



## Key Factors

- **Long-term plan & step-by-step approach**
- **Technical partnership with foreign companies**
- **Government + Utility + Manufacturer**

---



# Dziękuję !

