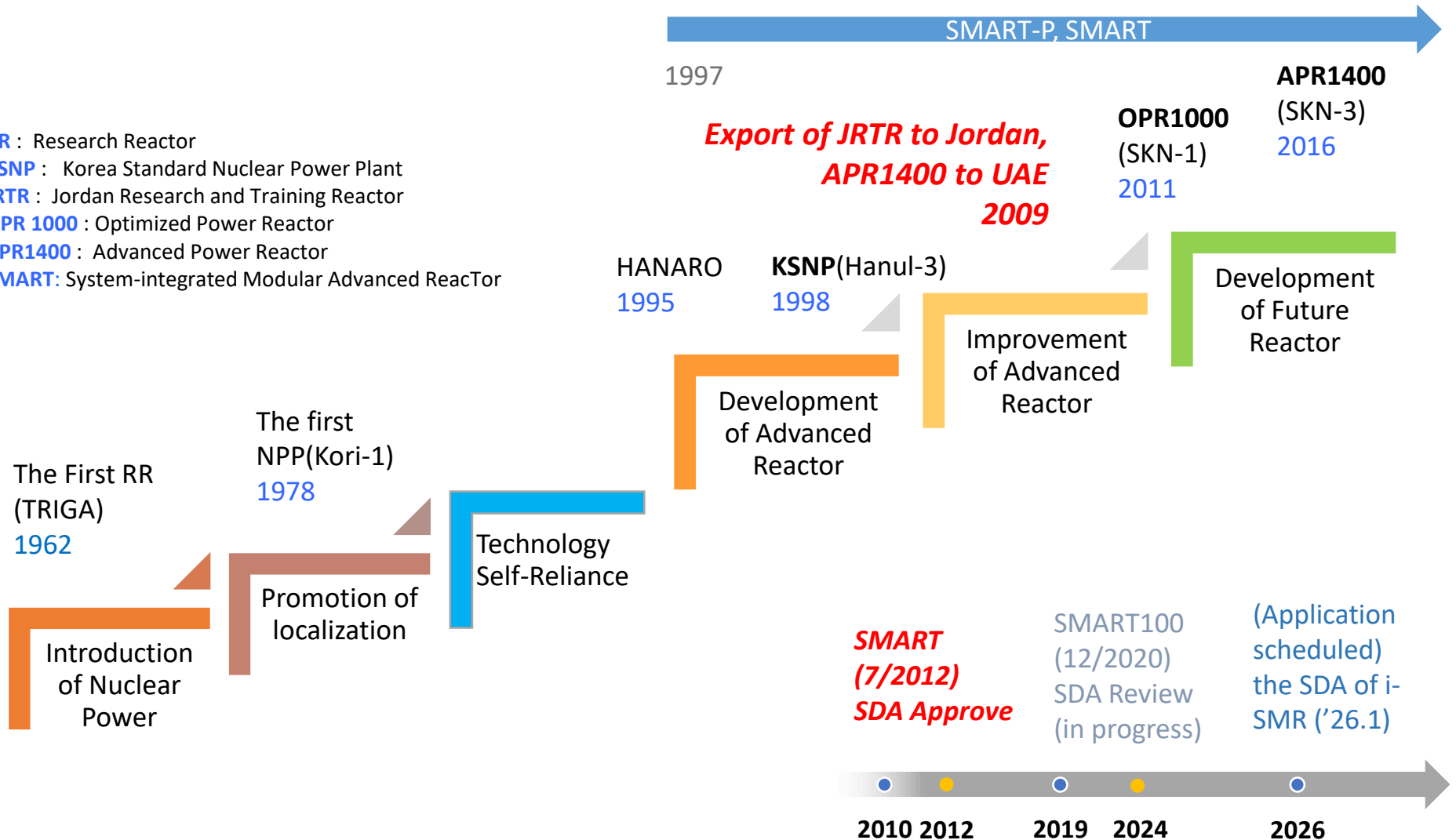


# Regulatory Experiences on SMR & Large NPPs

**RR** : Research Reactor  
**KSNP** : Korea Standard Nuclear Power Plant  
**JRTR** : Jordan Research and Training Reactor  
**OPR 1000** : Optimized Power Reactor  
**APR1400** : Advanced Power Reactor  
**SMART**: System-integrated Modular Advanced Reactor



# Regulatory Readiness for SMRs in the Republic of Korea

## 1. SMR Regulatory Safety Directions

- ▶ Proactively suggesting regulatory directions suitable for SMRs

## 2. Legal framework

- ▶ Light water-based SMR: current regulatory framework is mostly applicable

## 3. Regulations and Guidance

- ▶ Establishing exemption procedures and Design-Specific Review

Standards through R&D Projects

## 4. Licensing Process

- ▶ Conducting a pre-licensing review of i-SMR at the conceptual design level

## 5. International Cooperation

- ▶ Strengthening international cooperation and human capacity of regulatory agency