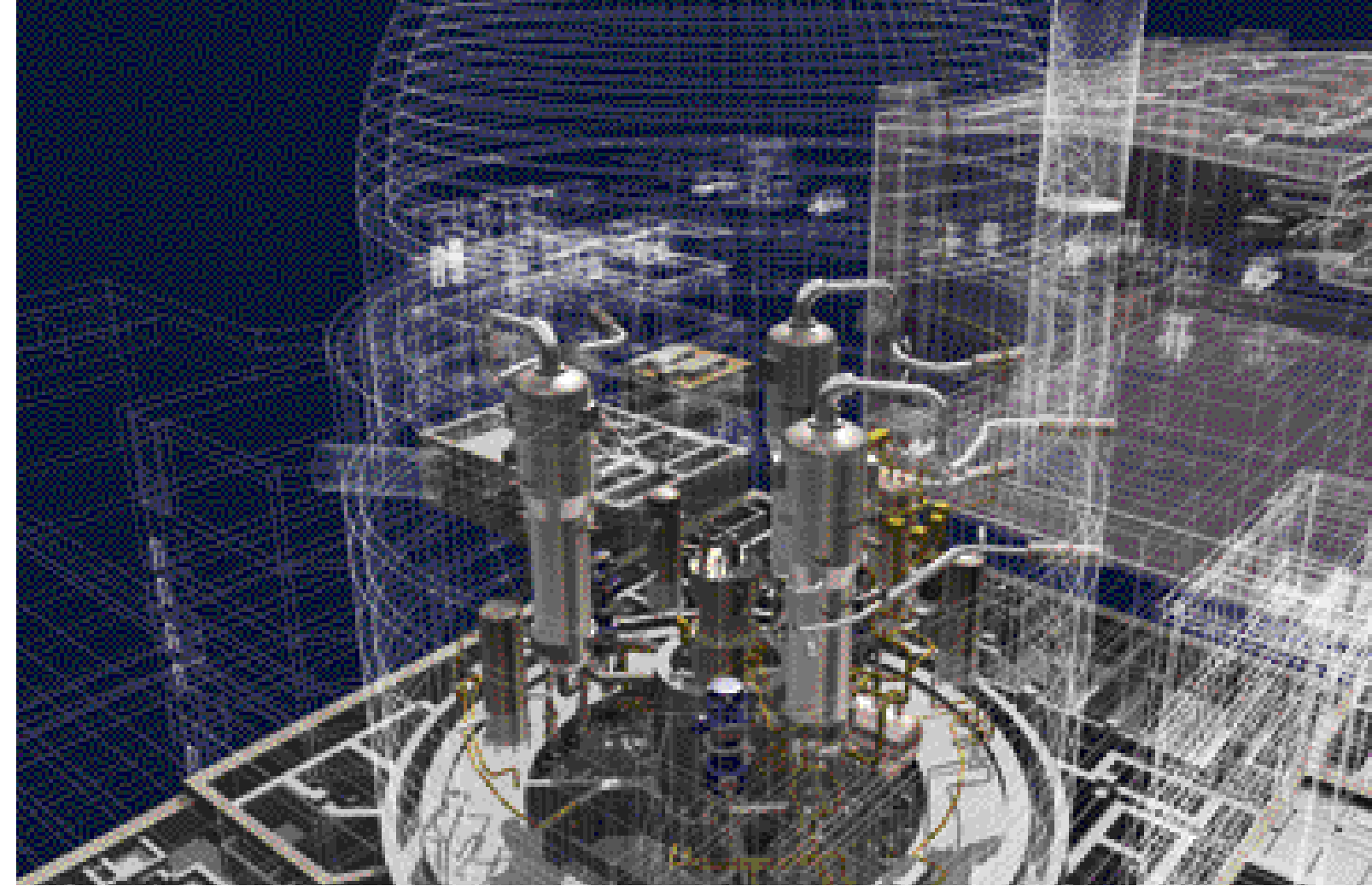


THE MID-SIZED NEW GENERATION REACTOR



ATMEA supplies the most advanced 1100 MWe class PWR plant with the combination of the unique set of competence and experience of its parent companies, AREVA and Mitsubishi Heavy Industries

www.atmea-sas.com



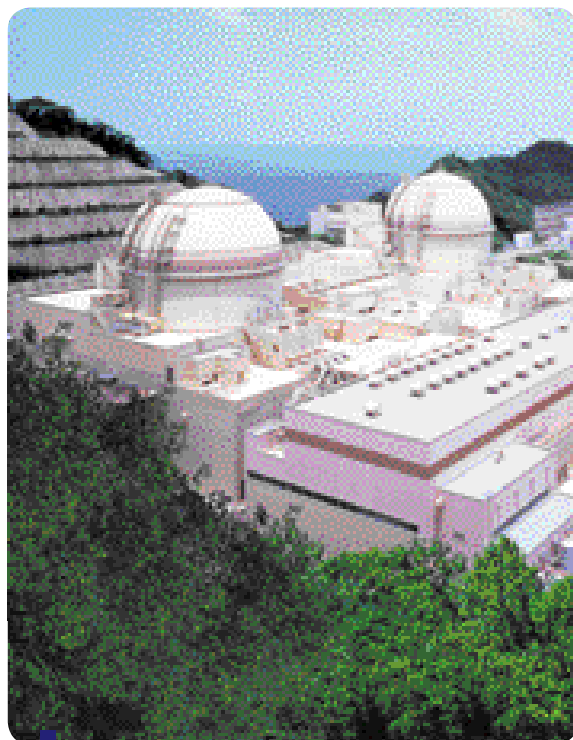


A JOINT VENTURE BETWEEN 2 WORLD NUCLEAR LEADERS

Supports from Japan and France
before and during operation

Engineering . Procurement . Manufacturing
Construction expertise and experience . Licensing
Supply Chain . Operation . Training Program
Fuel Supply . Recycling and Back-end . Finance

Incomparable advantage
of accessing experiences
and resources of MHI and AREVA



Ohi - Japan



Civaux - France



PROVEN TECHNOLOGY FROM TWO NUCLEAR LEADERS: AREVA & MHI

Unrivaled construction experience

- 120+ nuclear power plants built worldwide
- 4 Gen3+ reactors under construction



Olkiluoto 3 - Finland

Flamanville 3 - France

Taishan 1 & 2 - China

Tomari 3 - Japan

Proven operator friendly technology

- Extensive operating experience with similar technology
- Use of confirmed components and systems
- Incorporation of experience feedback
- Use of safety classified active systems to remain in control of the situation, whatever happens

Licensing certainty

- Positive review of the safety options by ASN (French Nuclear Safety Authority) and CNSC (Canadian Nuclear Safety Commission)
- Robust justification by deterministic analysis

Superior operation performance

Thermal power output	3150 MWth
Electrical power output	1100 MWe
Thermal efficiency	37%
Target design availability	92%
# loops	3
Steam pressure	3 bar
Operation cycle length	up to 24 months
Design service life	60 years
I&C	Full digital

- LESS fuel cost
- LESS waste
- LESS impact on the environment

Highest safety standard



- PROTECT**
- robust design
 - reinforced containment vessel for air plane crash protection
 - proven & reliable equipment
 - clearly separated safety systems

- COOL**
- diverse heat sinks
 - 4 divisions + 1 Emergency Power Supply for cooling systems
 - fire fighting tanks
 - emergency feedwater system

- CONFINE**
- pressure resistant containment
 - core catcher
 - hydrogen recombiners