Experience hosting an OSART mission

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We work safely or not at all.
Nuclear safety is the protection of people and environment from harmful effects of a radioactive release and ionizing radiation.

At EPZ we do that by constantly improving our technology, organisation and culture.
Location Borssele NPP
Borssele NPP

- commissioned in 1973
- large-scale modernisation in 1997, 2006, 2017
- end of commercial operations in 2034

LTE

- 1994: political agreement closing NPP Borssele in 2003
- 1994-2006: lawsuits and political discussions about closing date of NPP Borssele, no end of license date
- 2004: feasibility study on ageing mgt investments for 60 years: scope of investments no threat for LTO!
- 16 June 2006: The Borssele Agreement 2034!
- From 30 to 40 to 60 years perspective in only a few years time!
First time for EPZ to include a Corporate review in OSART mission

Independent Safety Culture Assessment was included in the OSART mission

- Observations from OSART were used in ISCA and vv.
- Combination of OSART and ISCA appeared to be strong, of great value, but also confronting
OSART 2014 Results

- 22 recommendations
- 8 suggestions
- 10 good practices

OSART 2014 made very clear that improvement was needed and continued and repeat WANO AFI’s present on similar issues.

Issues:
- Safety culture
- Leadership
- Integrated management system
- Learning organization
Spin-off from OSART
The OSART FU was conducted in 2 parts. The technical and organisational/leadership/sc were separated.

Final result:
- 22 out of 22 recommendations solved
- 7 out of 8 suggestions resolved
Since the start of the improvements after OSART:

- (nuclear) safety first... always
- Social safety
- 0 LTI
- Daily dose exceedances from >30/a to 1 or 0
- % Repeat events from >30% to 10%
Experience summary Process

• Scope with classical OSART, corporate and ISCA was challenging, but of great value

• OSART 2014 was the starting point for many important changes in the company

• Lessons learned have resulted in major improvements in the area’s of safety culture, leadership, continuous improvement

• Improvements are in 2020 still going on, focus is shifting towards Nuclear Professionalism and reliability of the plant
• Approach with focus groups works well.
• ISCA part has not been established well (yet)
• Well experienced and appreciated IAEA staff
• FU team members recruited from original team
• “Osart market” as start of FU very successful.
Thank you

EPZ produces clean, climate-neutral electricity for over 1.1 million households every day.

Have a safe day!