

# **AREVA** *Overview*

SLR Delegation – Lynchburg Tour October 13, 2016

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# Safety Message / Introduction



## ■ Around the room introductions

## ■ Safety

- Building safety / evacuations
- Safe driving today
- Eyes on path
- Stairway / handrails
- PPE

## ■ Escort requirements

- Proprietary information / cell phones

## ■ Lunch logistics



# Our Pillars of Operational Excellence



## **SAFETY.**

First and foremost, the critical success factor for our people, products and services.



## **QUALITY.**

First time, every time.



## **PERFORMANCE.**

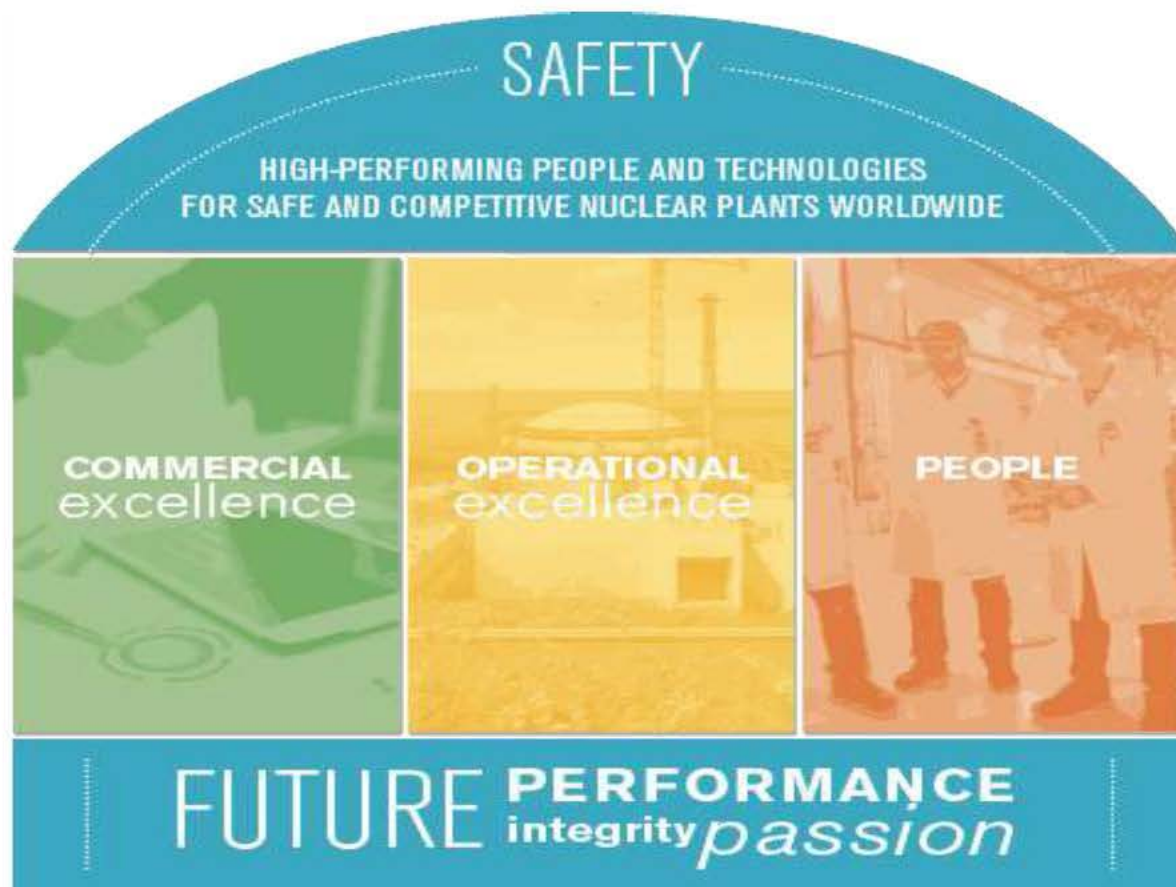
Fueled by our people and innovation for our customers.



## **DELIVERY.**

Reliable, predictable and consistent.

# AREVA NP Vision and Values



# Agenda

- AREVA OVERVIEW
- SAFER OVERVIEW & TOUR
- NUCLEAR PARTS CENTER TOUR
- CAVITATION PEENING OVERVIEW
- PROBABILISTIC APPROACH TO BFB ASSET MANAGEMENT
- TRAVEL TO MILL RIDGE ROAD
- TRAINING CENTER TOUR
- LUNCH
- TRAVEL TO MT. ATHOS ROAD
- PUMP & MOTOR SERVICE CENTER TOUR
- IN-CORE CENTER TOUR
- U.S. TECHNICAL CENTER TOUR
- WRAP UP DISCUSSION
- TRAVEL HOME!

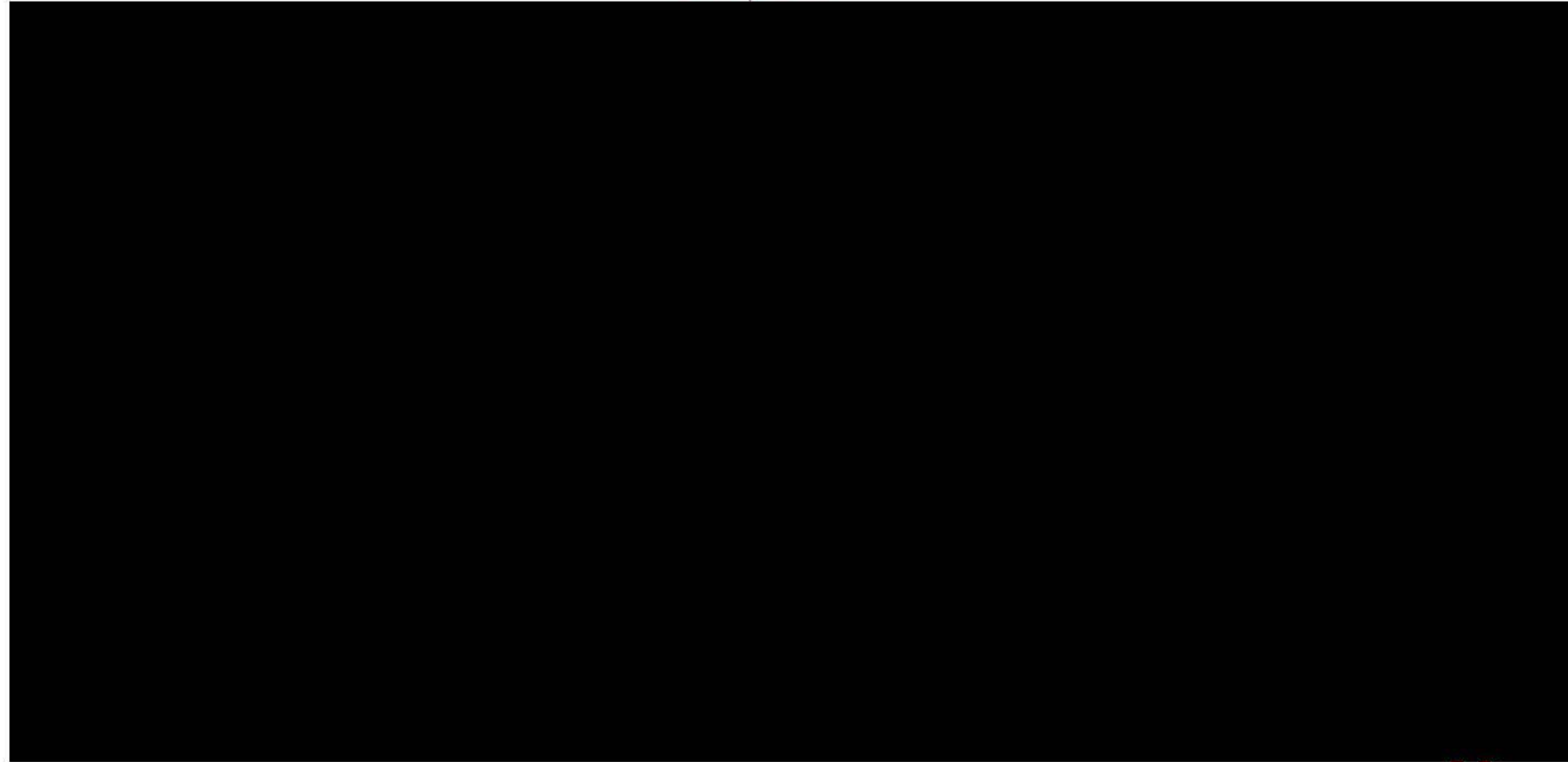
# AREVA Group organization

*before July 1, 2016*

**AREVA NP**

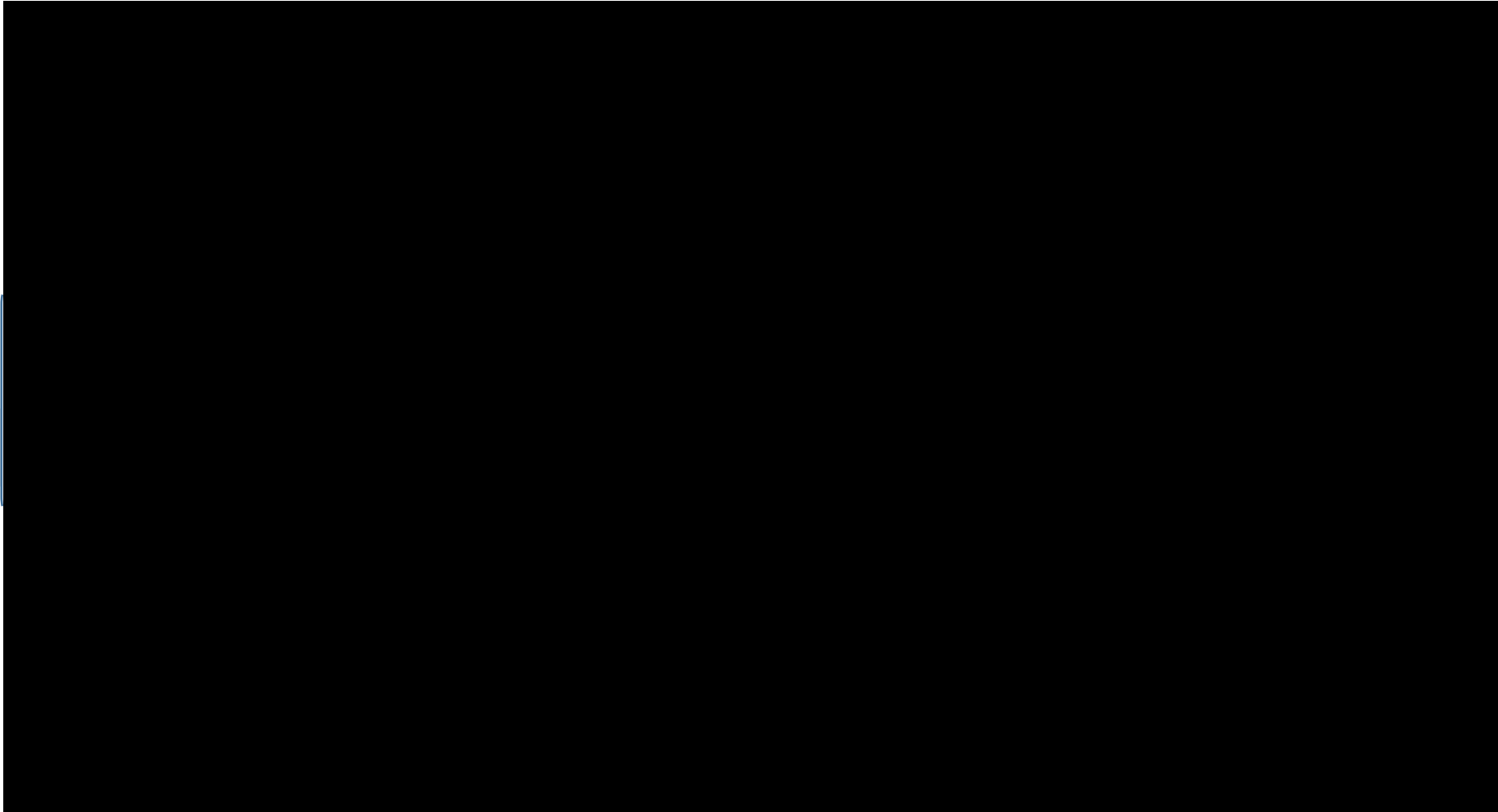
**New AREVA**

Activities to be carved-out  
/ sold



# AREVA Group organization

*effective October 1, 2016*



# AREVA NP Activities

## BUSINESS UNITS



Engineering & Design Authority



Large Projects



Installed Base



Fuel



Components



Instrumentation & Control (I&C)

## LYNCHBURG FACILITIES



### SAFER Control Room

Maintains on-call 24/7 staffing for the Control Center and 24/7 contact for activation of the NSRC's



### Nuclear Parts Center



### Technical Training Center



### Pump & Motor Service Center



### In-core Fabrication Center



### U.S. Technical Center

# AREVA's New Build Projects



## Olkiluoto 3 (Finland)

- Construction started in 2005
- Status: process commissioning; preparing for nuclear circuit cleaning prior to cold functional testing



## Flamanville 3 (France)

- Construction started in 2007
- Status: Commissioning testing started



## Taishan 1 (China)

- Construction started in 2009
- Status: Cold functional tests completed; preparing for hot functional testing



## Taishan 2 (China)

- Construction started in 2010
- Status: Installation of internals completed

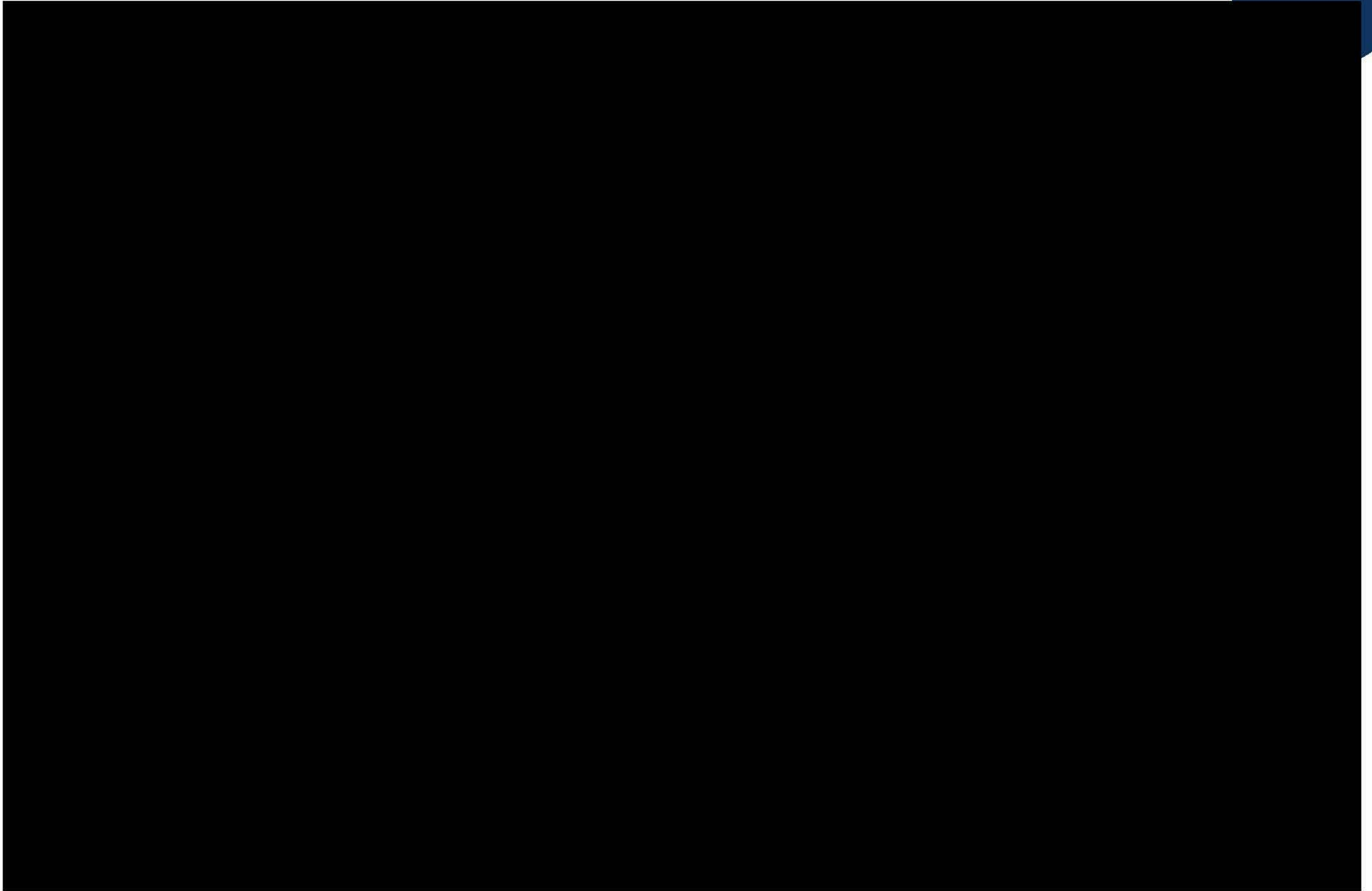


## Hinkley Point C (United Kingdom)

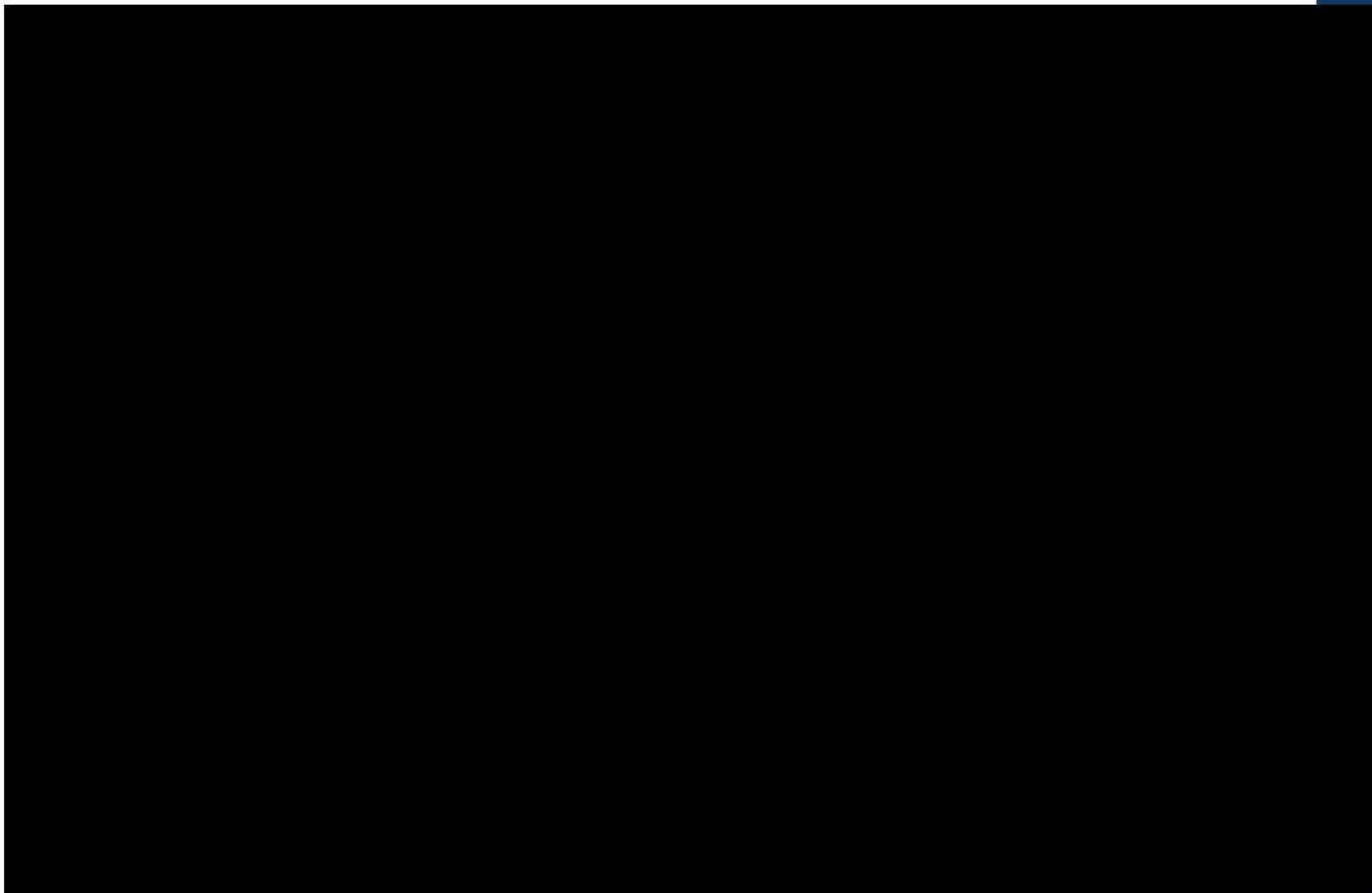
- September 2016 – EDF confirms decision to build two nuclear reactors at Hinkley Point C
- AREVA signs contracts worth over 5 billion euros



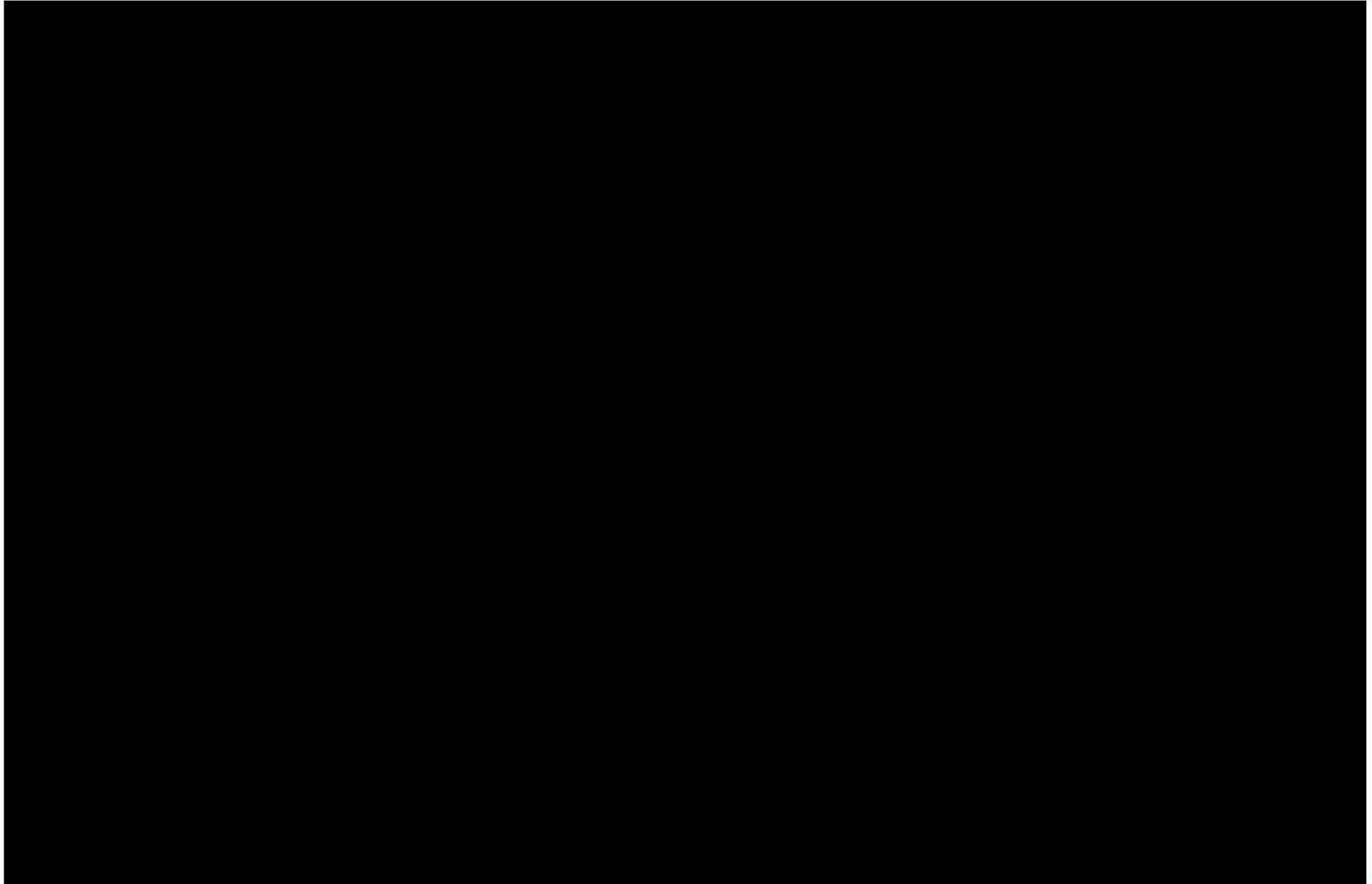
# Nuclear Services



# Proven Innovative Solutions



# Innovative Solutions in Development (Examples)



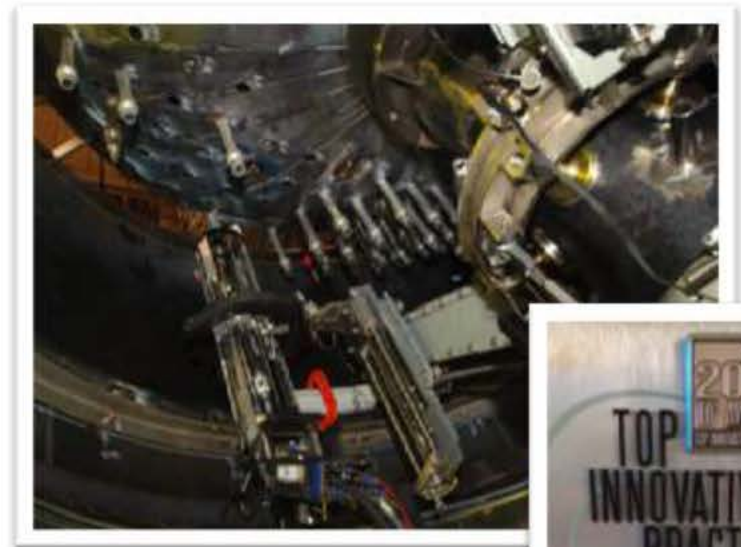
# NEI TIP Awards

## ■ TOP INNOVATIVE PRACTICE (TIP) AWARD

- 2016 National SAFER Response Centers

## ■ BEST OF THE BEST AWARDS - FIVE CONSECUTIVE YEARS

- 2014 Surry Special FOAK Inspections of the Reactor Internals
- 2013 Mini-ID Temper Bead (IDTB) Welding Technology at Calvert Cliffs
- 2012 TXS digital protection system replacement at Oconee
- 2011 XEDOR real-time fuel analysis technology at Browns Ferry
- 2010 Gimbaled head UT inspection device for RV head at Palisades



**Innovation with our Customers  
Achieving Top Industry Performance**

