

# **Optimisation of the occupational RP at OKG NPP, Sweden**

**”Or how to get the job done with  
the right staff in the right place”**

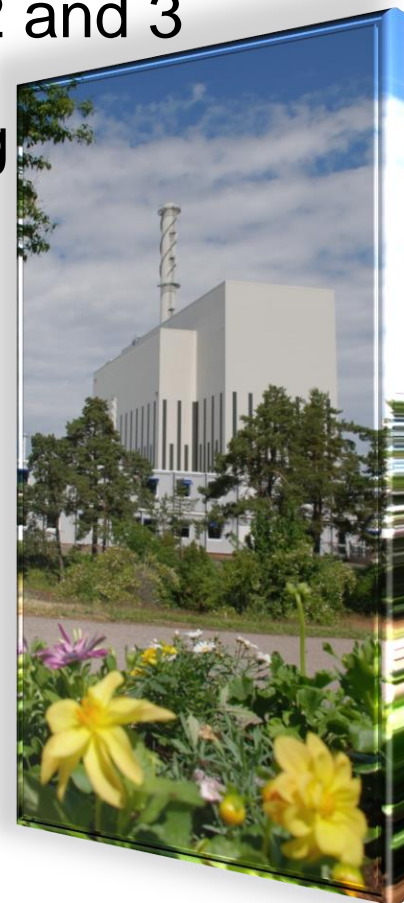
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OKG NPP, Sweden***

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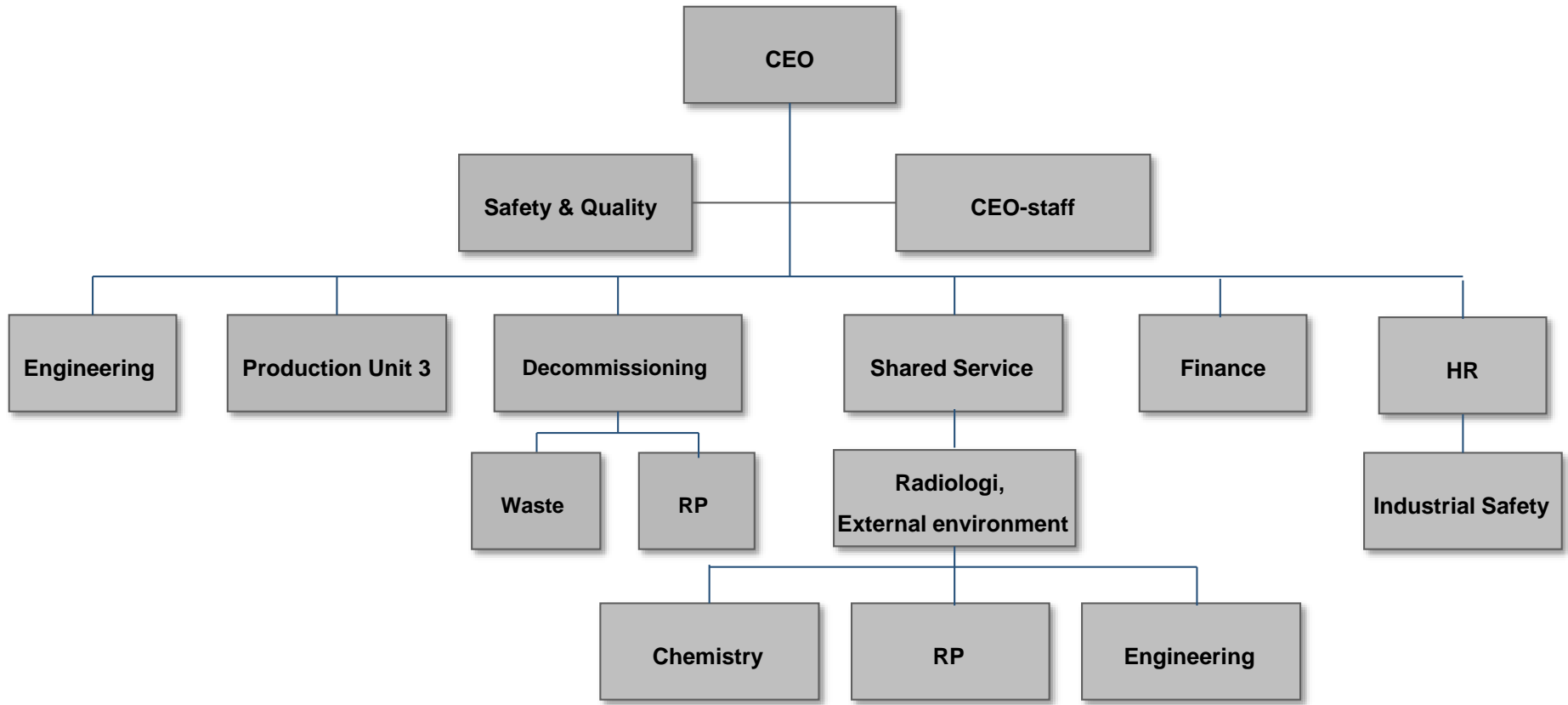


# OKG Aktiebolag

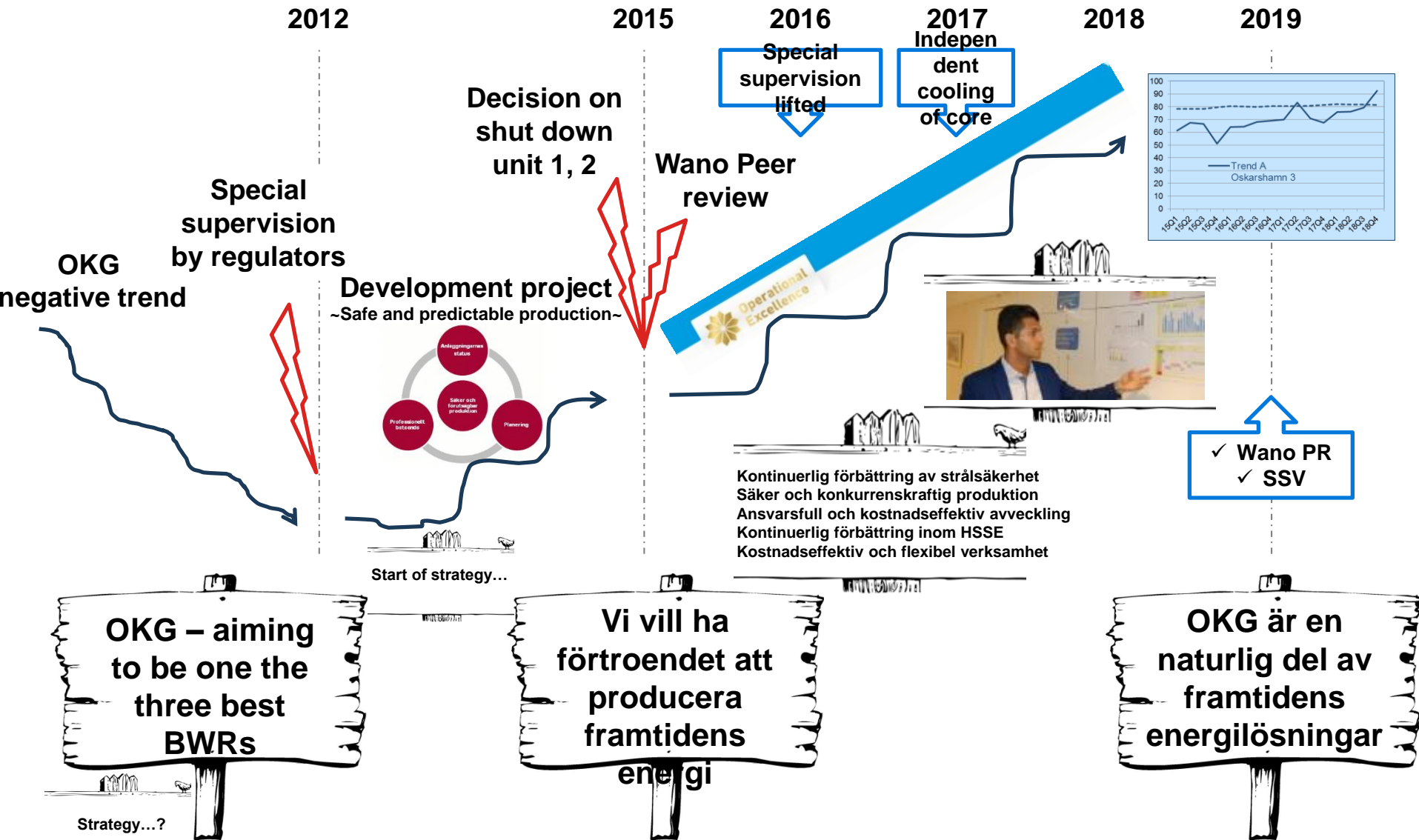
- 3 nuclear power units (BWR), Oskarshamn 1, 2 and 3
- Unit 3 in operation; unit 1,2 in decommissioning
- Has approximately 600 employees,  
    <100 contractors on a daily basis
- Annual outage, long outage every third year,  
    800 contractors per outage



# Organization



# Historien om OKG OpEx



# **Development in RP field to achieve a result amongst the three best BWRs facility according to WANO ranking**

- RP ownership in every section of OKG NPP
- Gradually lowering dose constraints from 10 mSv to 4 mSv (2025)
- The formation of an autonomous RP group for Unit 3
- Develop / form a group of RP personnel with the right skills and profiles to be successful

- RP techs/HP, unit 3

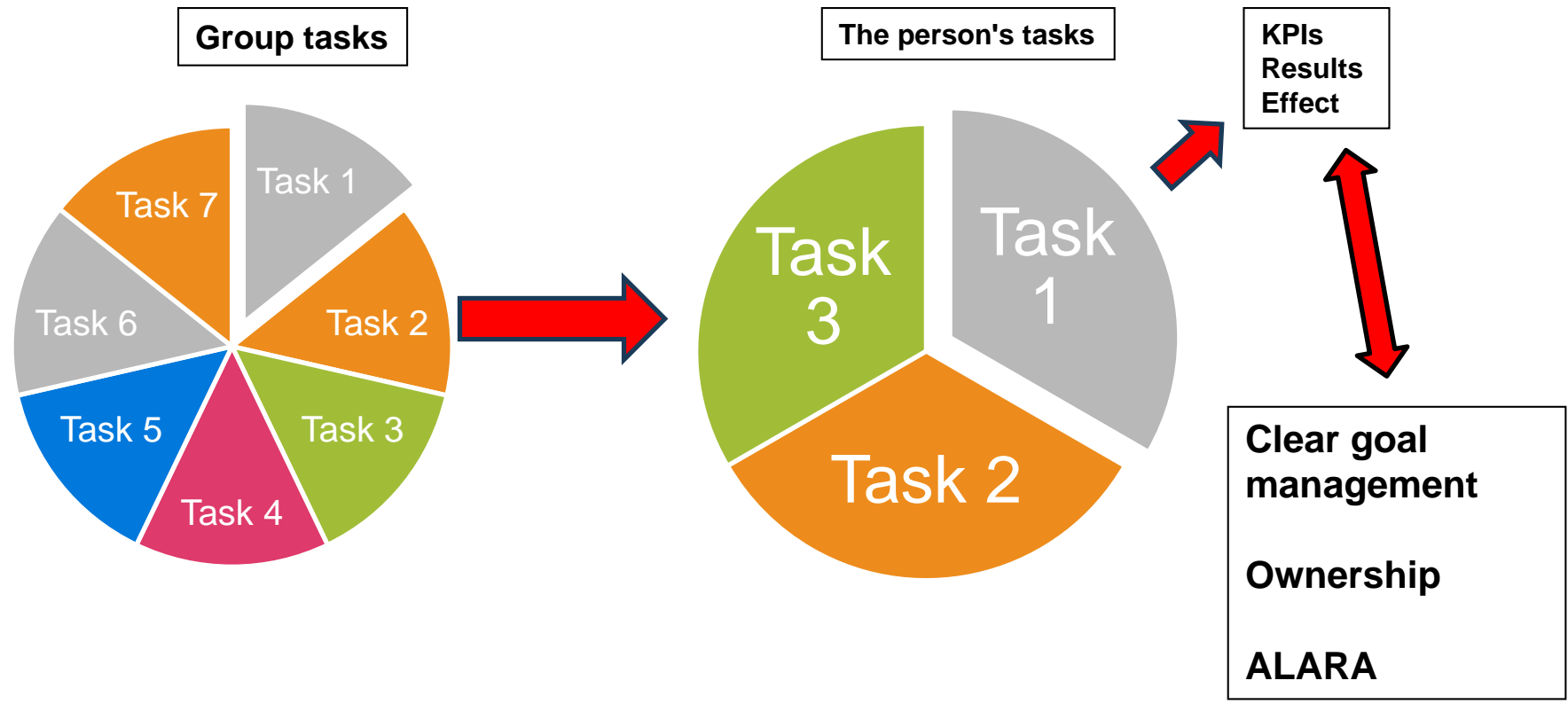
	plant personnel	contractors
– Until 2015:	4	4
– In 2019:	13	4

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# **The right profiles in the right places**

- **Our goal is to divest the right staff of both available staff and consultants for specific tasks**
  - **The goal is to perform the task with the right skills**
  - **Develop staff based on set requirements**
  - **Measure performing activities based on set goals**
  - **Develop long-term business goals**
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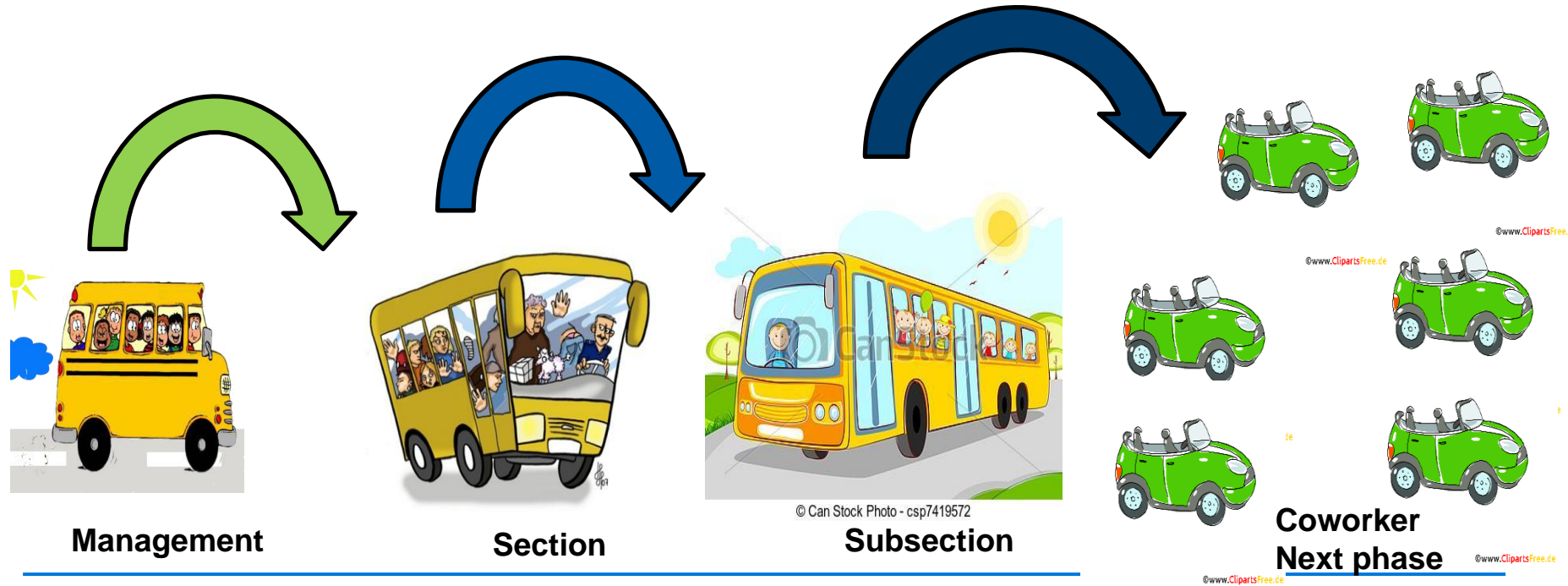
# Our goal is to divest the right staff of both available staff and consultants to hire for specific tasks





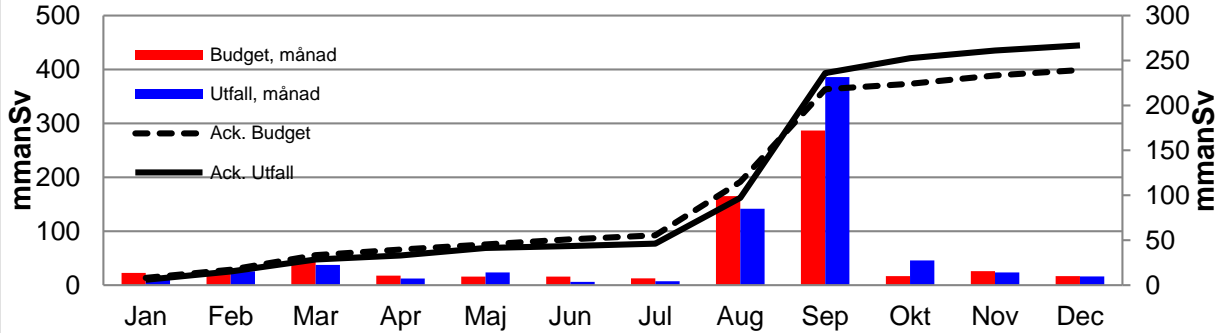
# Next phase 2020 - 2025

- Ownership of data at the personal level
- Clear goal management
- ALARA ownership of all OKG NPP personnel

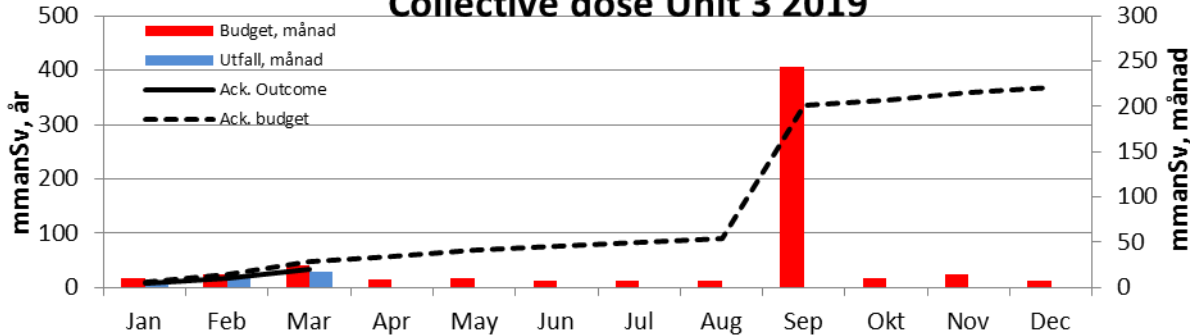


Performance:Dose budget vs performance

### Collective dose Unit 3 2018

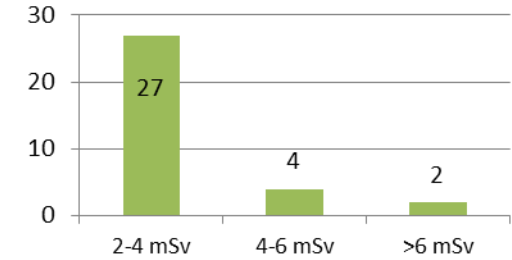


### Collective dose Unit 3 2019

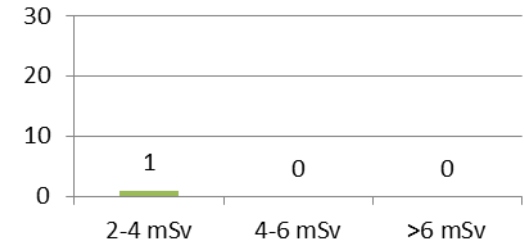


Performance: individual dose

### # Individuals unit 3 2018



### # Individuals unit 3 2019



**Achievements**

Developed approaches for operational radiation protection on O3. Clear roles and responsibilities established.

Contributed by radiation protection aspects to HUP Simulator.

New routine while developed source separation of waste. Stations for recycling established.

**Benefits**

Maximum individual dose now part of OKG's strategic objectives.

Booting cross groups to strengthen radiation protection practices at OKG.

**Concerns**

OKG's supplier of radiation protection services cannot provide staff to the extent that we expect.

Backlog clearance, can not eliminated completely

**Do next**

Strengthening radiation protection practices at OKG through clear expectations and collaboration in interdisciplinary teams.

Establish work right for the separation of waste

# Some effects

