

# **Agenda**

- Nuclear fuel front end process
- Vattenfall Nuclear Fuel AB
- Sourcing of nuclear fuel
- Market prices





## The front end process





Oxides, silicates, phosphates etc.



 $U_3O_8$ (Yellow cake)



 $\mathsf{UF}_6$  $(0,71\% U^{235})$ 



UF<sub>6</sub> (max 5% U<sup>235</sup>)

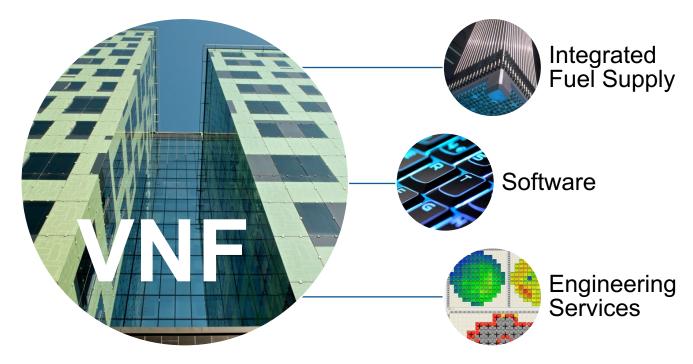


 $UO_2$ (max 5% U<sup>235</sup>)



## Vattenfall Nuclear Fuel AB (VNF)

Company fully owned by the Vattenfall Group ~ 65 employees



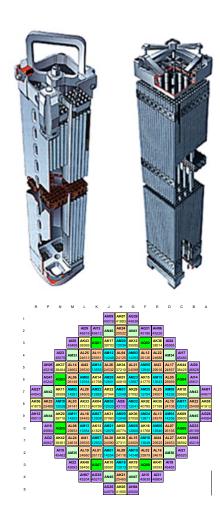
### Mission and vision

#### **Mission**

Our mission is to provide our customers with nuclear fuel and related services with high quality in a sustainable supply chain.

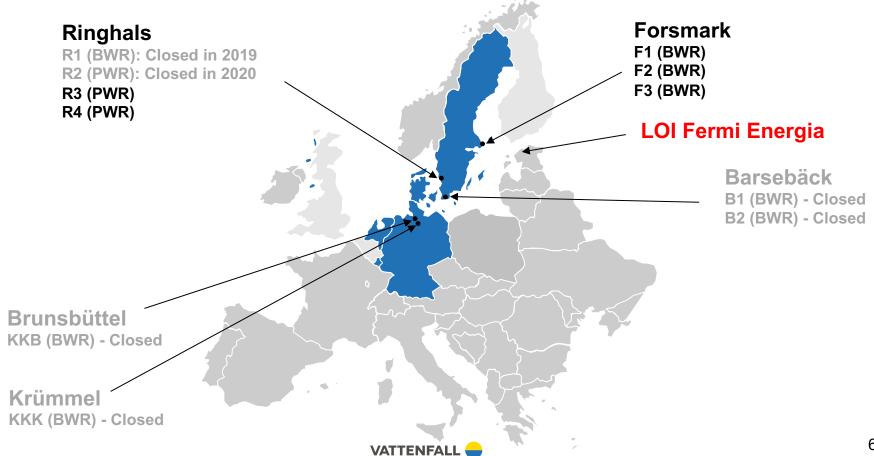
### **Vision**

Our products and services strengthen our customers by the responsible and cost-effective manner of our operations.

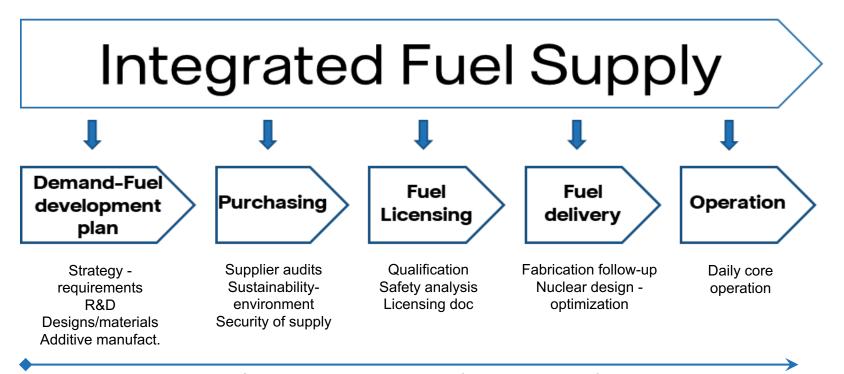




### **VNF** current customers



## **VNF Service portfolio - operation**

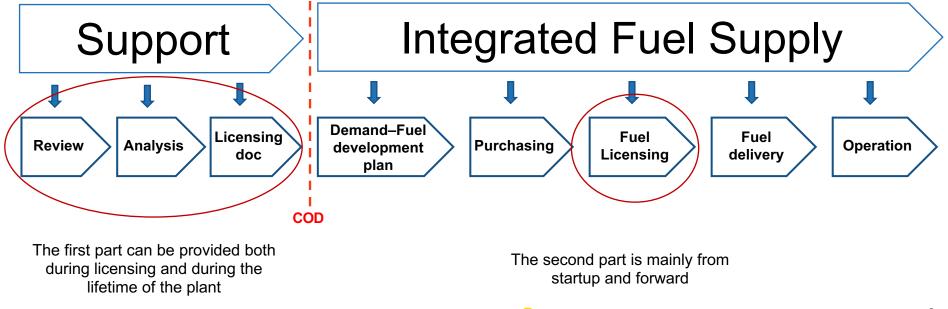


**Key Account Manager: Contract management – logistics/delivery planning – financial transactions** 



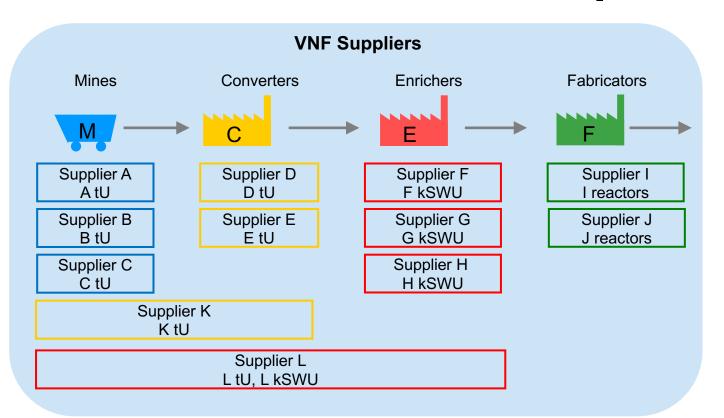
## VNF Service portfolio – new build

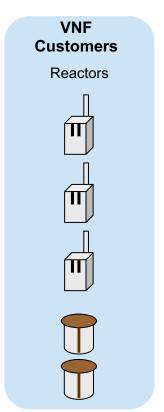
- Provide support services and the full value chain i.e. Integrated Fuel Supply
- Circled items can initially be provided as engineering services



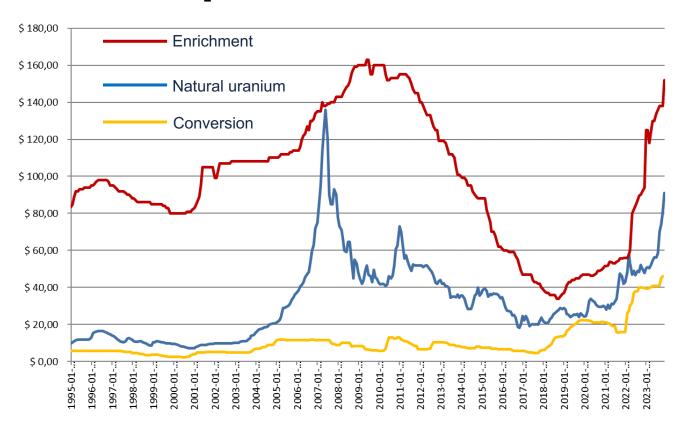
**VATTENFA** 

## **Contract structure - example**





# **Market prices**



#### **Current uncertainties:**

- Will there be sanctions?
- Investment fund speculation?
- When will new production capacity come online?



Increased focus on security of supply -> long term contracts

