

KBS-3 - Field
with 40 m
Distances

= 49 °C max.
year xy
when full

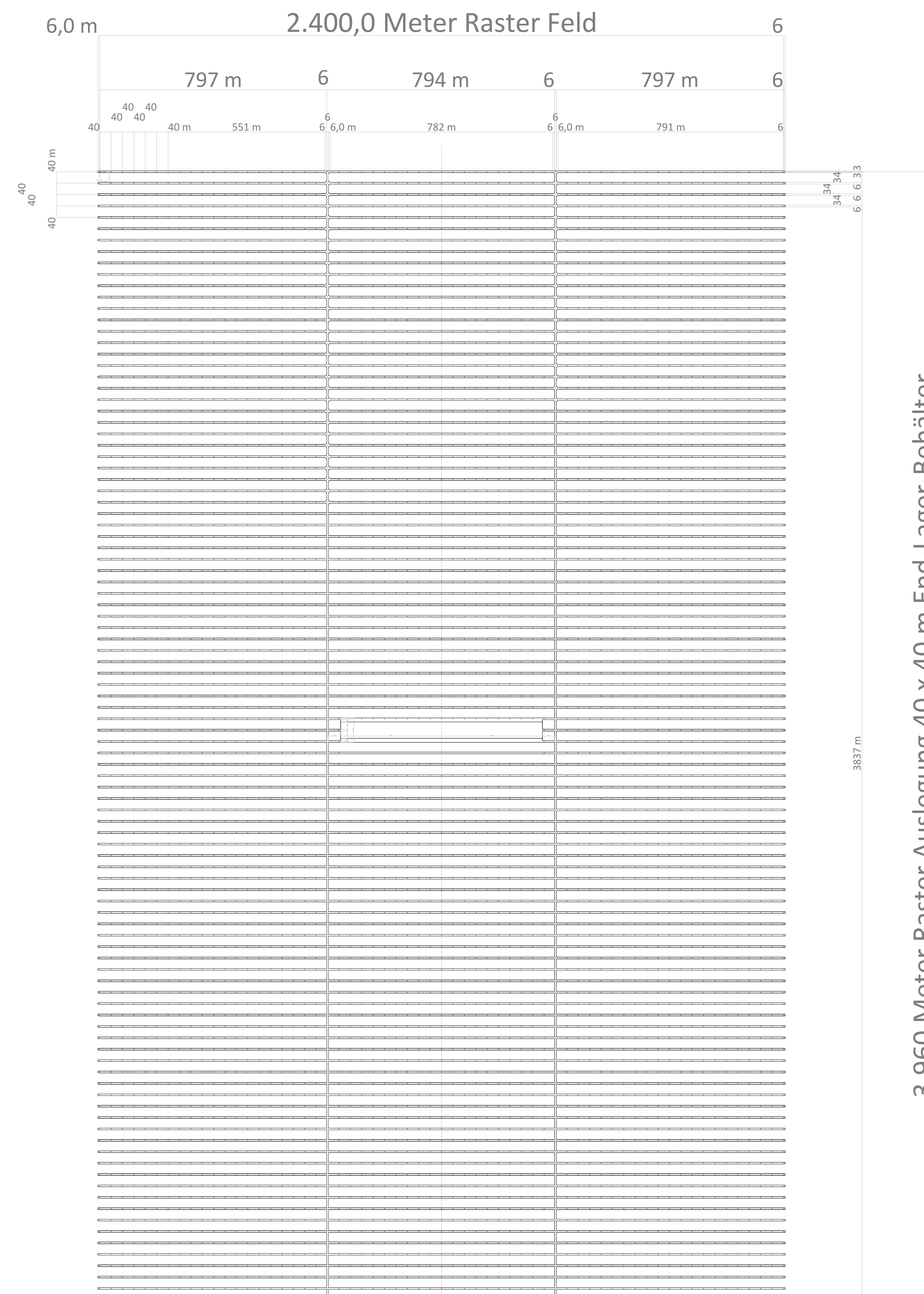
9,5 km2

depth app.
- 500 m

coast border
sites UK, Fi, SE, SK

Safe ? EU Level ?

Forsmark 1.0



Forsmark 1.0

always only

1 welding !!

away from

Water - Wet

GSF not GDF

13x ? critical

masses in

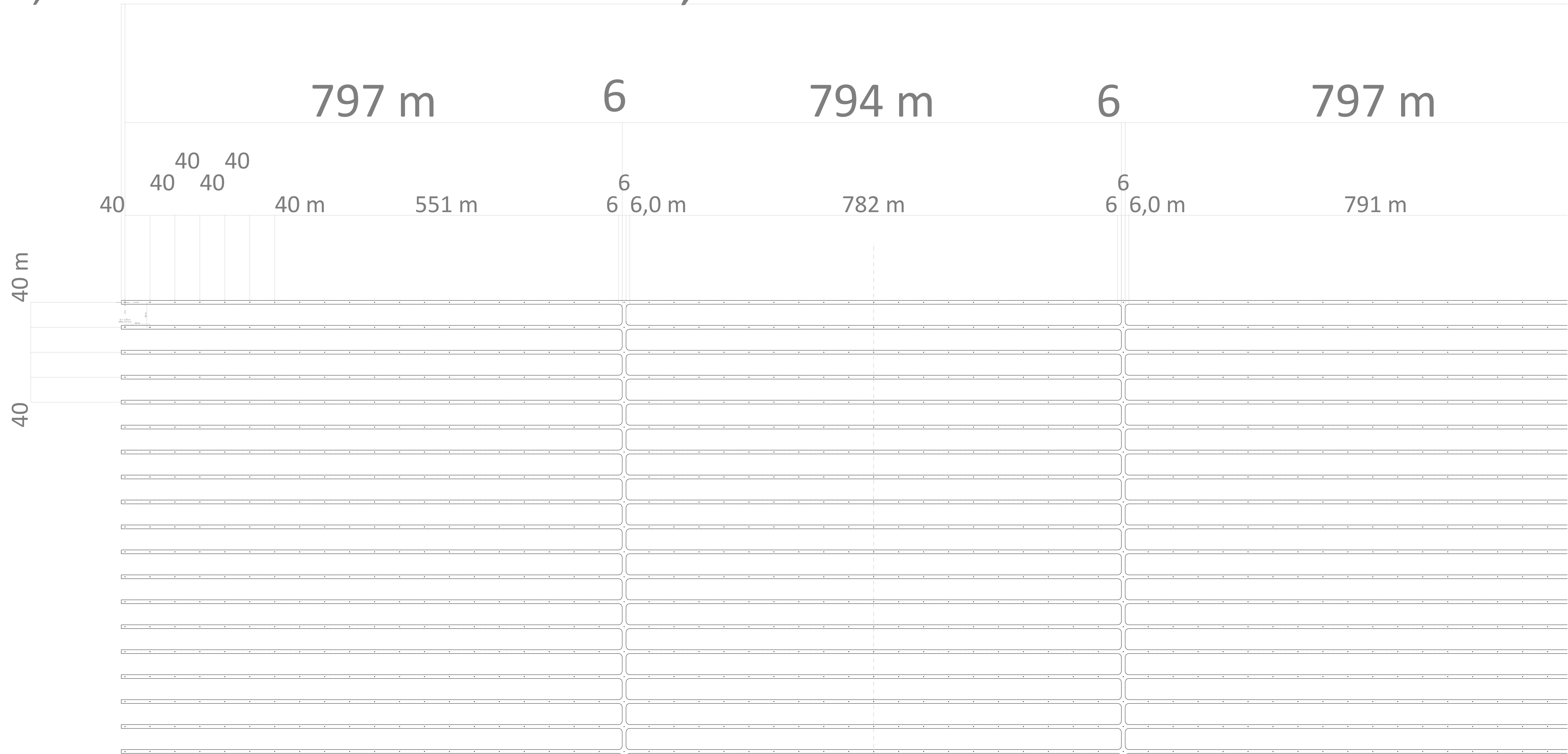
KBS-3



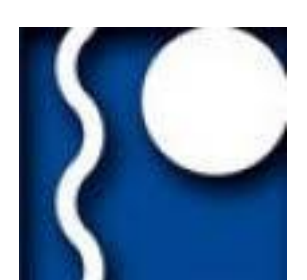


6,0 m

2.400,0 Meter Raster Feld



Forsmark 1.0 - 6.000x KBS-3 in 40 m distances



40 m

40

40

40

40

40



40 m

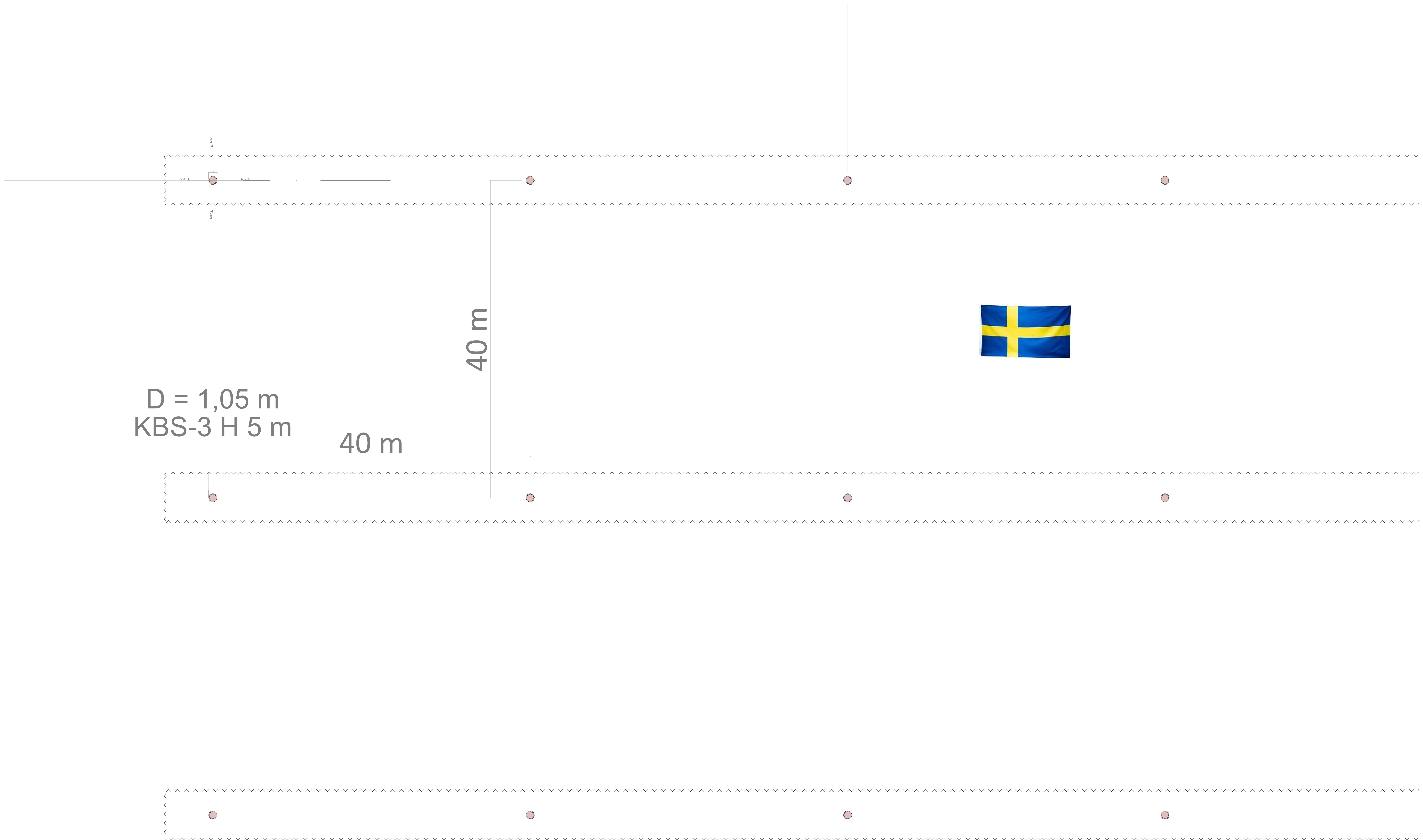
D = 1,05 m
KBS-3 H 5 m

40 m

40 m

Forsmark 1.0 - 6.000 KBS-3 in 40 m distances





Forsmark 1.0 - 6.000 KBS-3 in 40 m distances



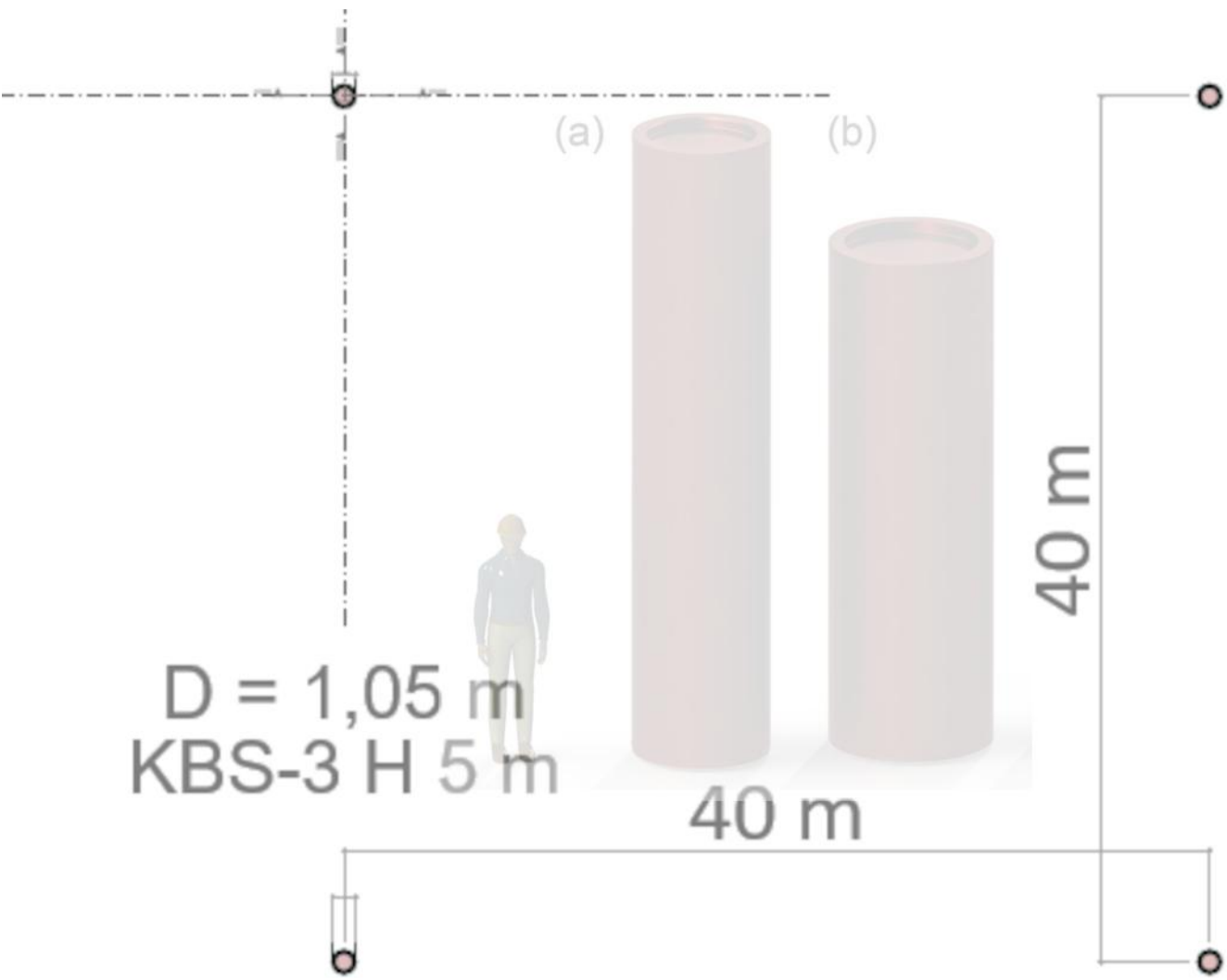
Peer Review
Ing. Goebel
(Dr. Herres)
2022-2026

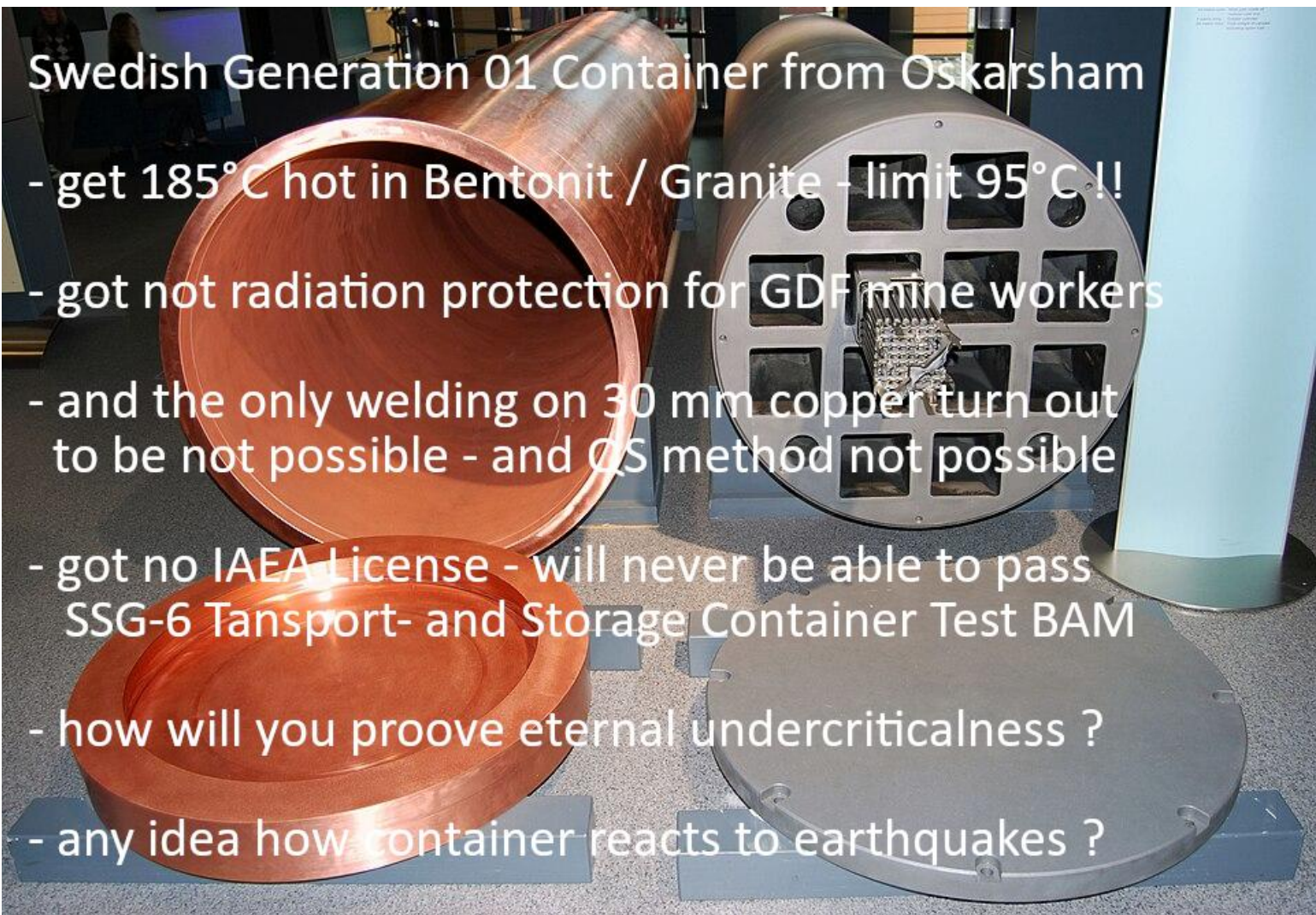


4x KBS-3 - 40 m distances
+
D = 1,05 m - h= 5 m - kg ?

2.000 kg Inventory SE

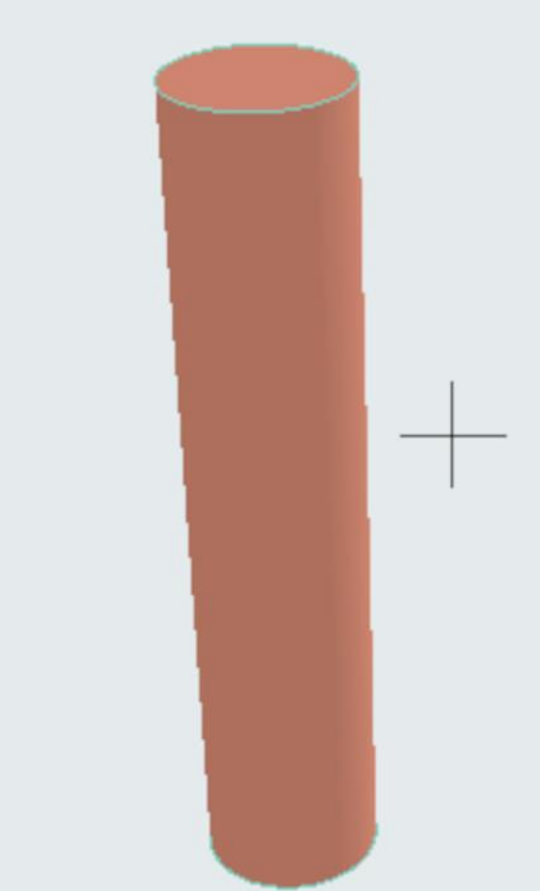
1.830 W/1 SKB wrote





Swedish Generation 01 Container from Oskarshamn

- get 185°C hot in Bentonit / Granite - limit 95°C !!
- got not radiation protection for GDF mine workers
- and the only welding on 30 mm copper turn out to be not possible - and QS method not possible
- got no IAEA License - will never be able to pass SSG-6 Tansport- and Storage Container Test BAM
- how will you proove eternal undercriticalness ?
- any idea how container reacts to earthquakes ?



KBS-3 ? - Sweden

2x1 lid weldings

in 30 mm copper

wet GSF use ? EU

coast sites Fi, SE, SK, UK



Hurra - die ersten Endlager-Behälter sind gefertigt worden
Da passt gar keine kritische Masse rein - der 1 Kg Behälter
20 mm Wandstärke - befüllbar - verschliessbar - 1.4571

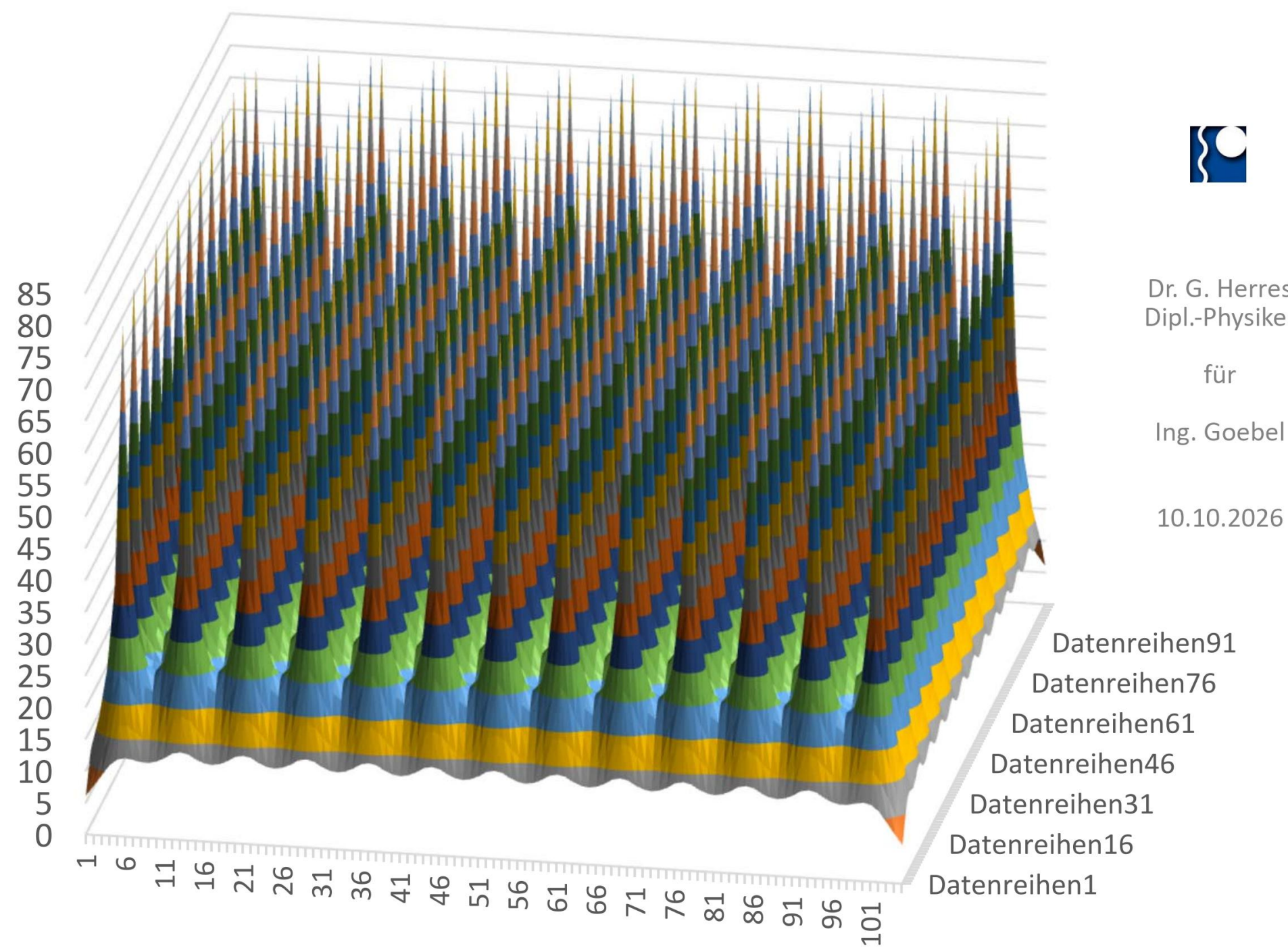


Der 1 kg Inventory GDF Container - Prototype Version 3
Design Made in Germany - Product made in Germany



KSB-3 Feld - Langzeit ZWL GSF - Nasskühler - Abstände 40 m - macht max. 85 °C when full

Temperaturfeld mit 13 x 13 Behältern 40 m Abstand



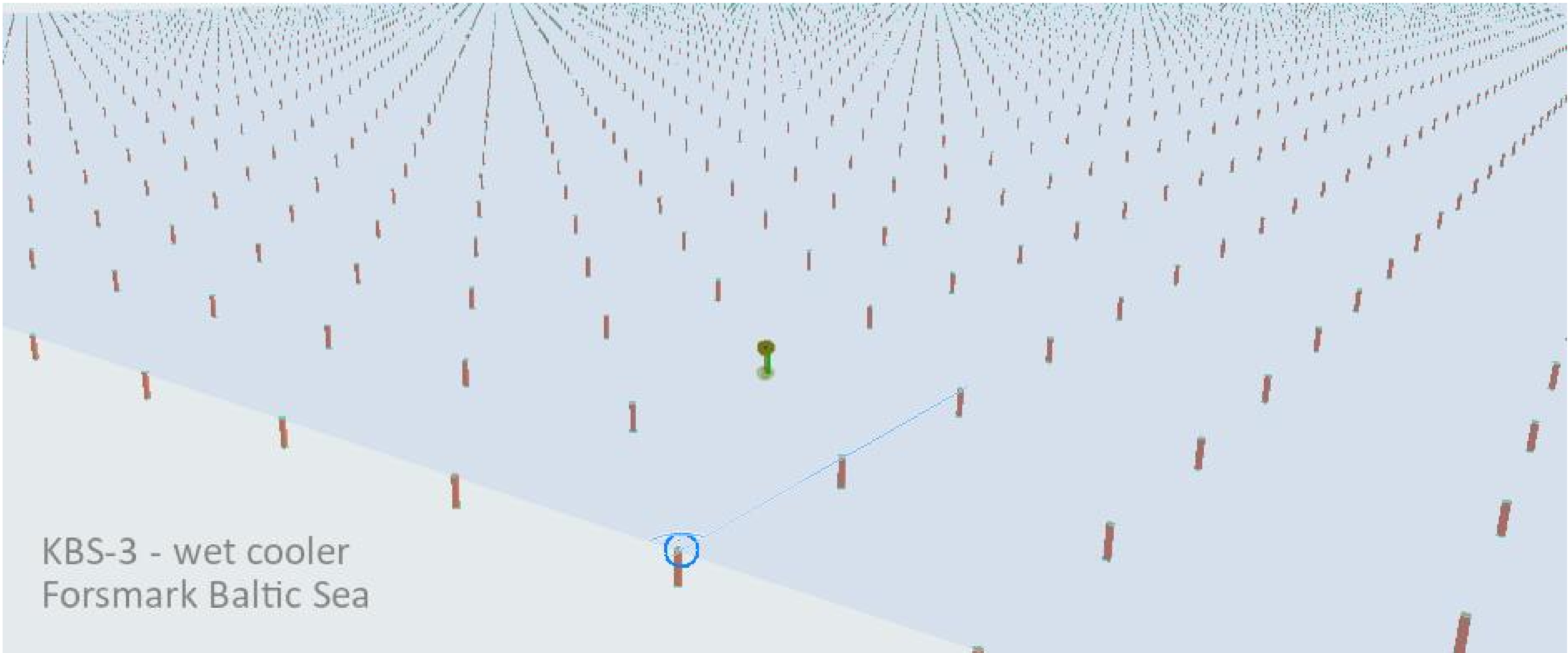
Dr. G. Herres
Dipl.-Physiker
für
Ing. Goebel
10.10.2026

Datenreihen91
Datenreihen76
Datenreihen61
Datenreihen46
Datenreihen31
Datenreihen16
Datenreihen1

1 kg HLW net



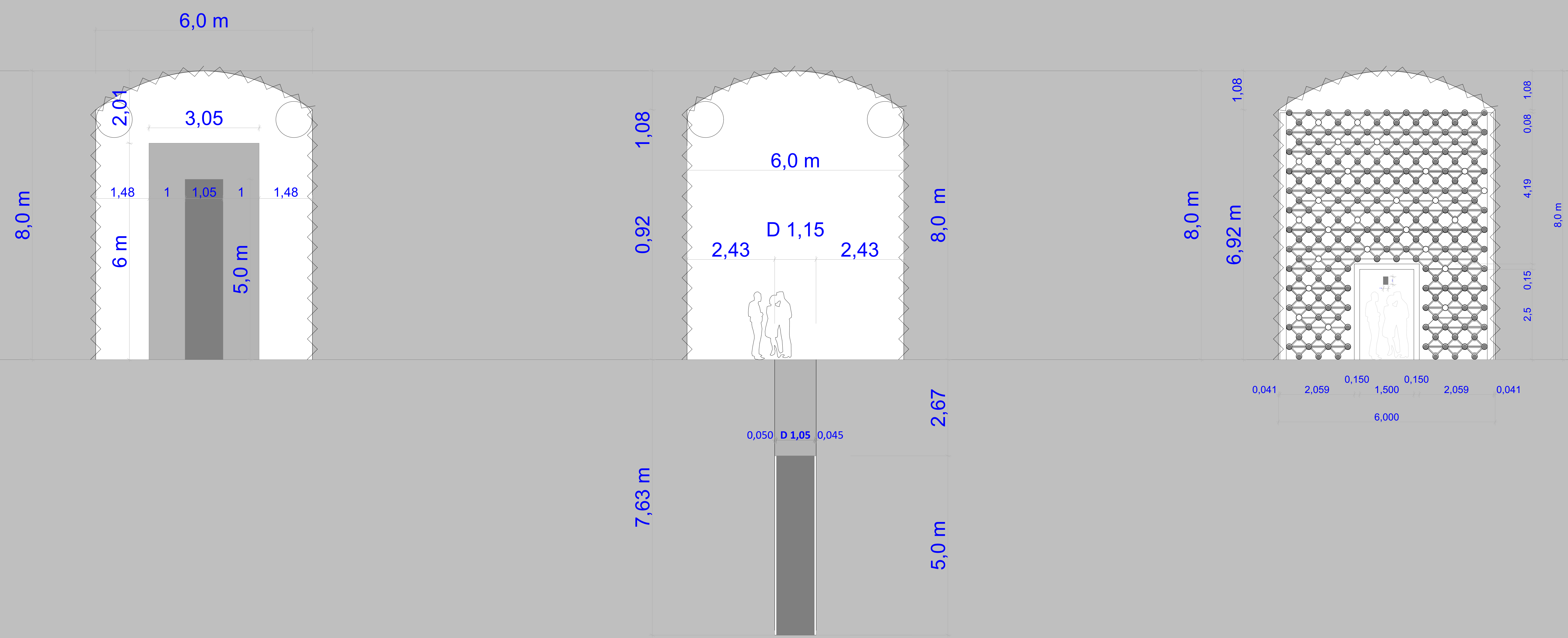




Forsmark 1.0
GSF GDF SE
6.000 KBS-3
in 40 m
distances



Ideas for GSF in hardrock - from Sweden and Germany



Forsmark 1.0 or 2.0



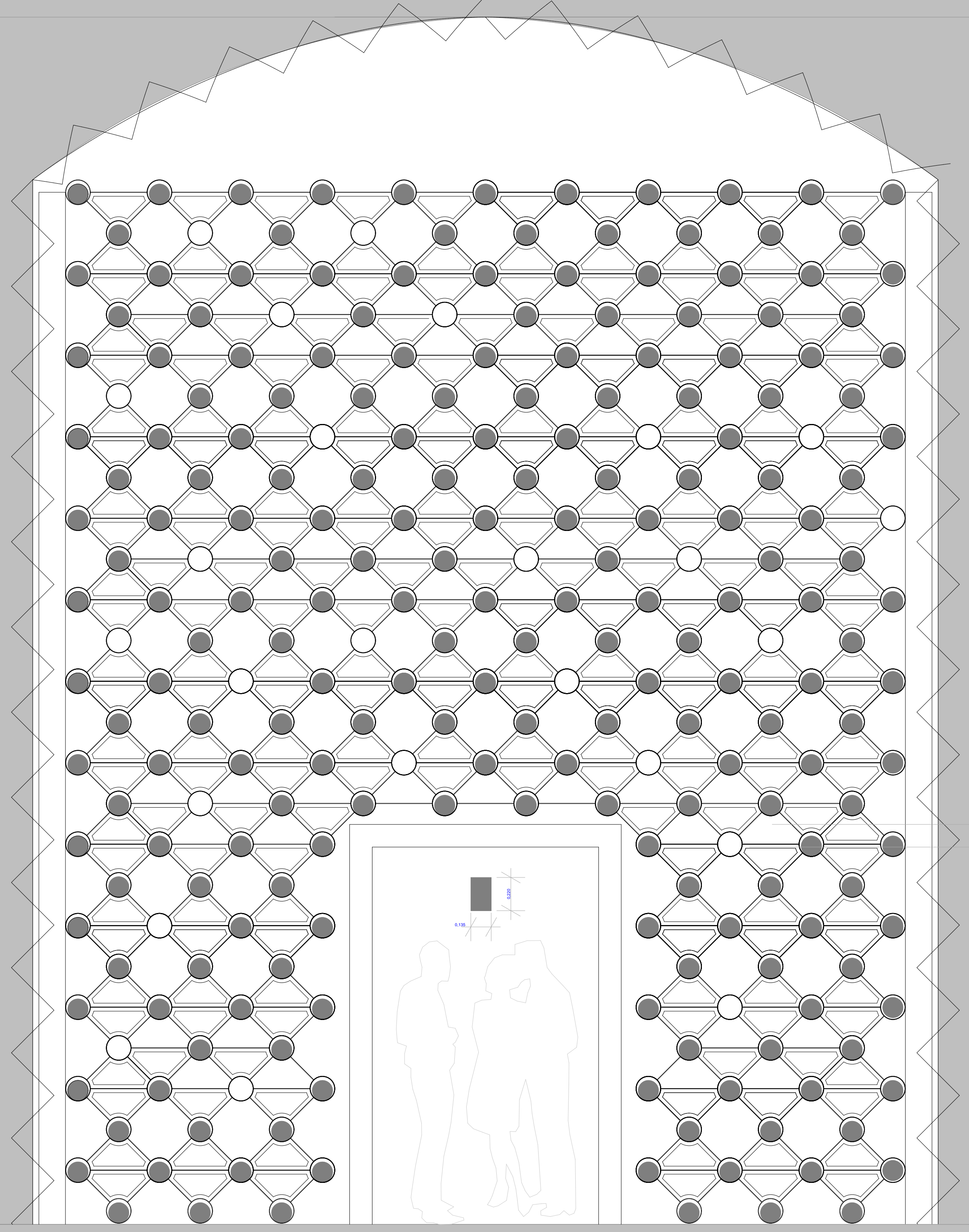
Build it - flood it - use 6 x 2 MW Heat over hundrets of years

heating
Forsmark
village

8,0 m

6,92 m

1,08



1,08

0,08

4,19

8,0 m

2,5

0,15

0,041

2,059

0,150

1,500

0,150

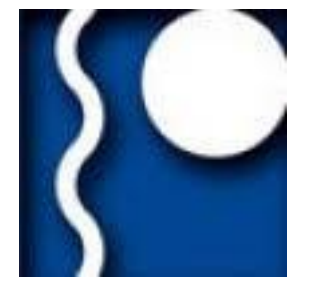
2,059

0,041

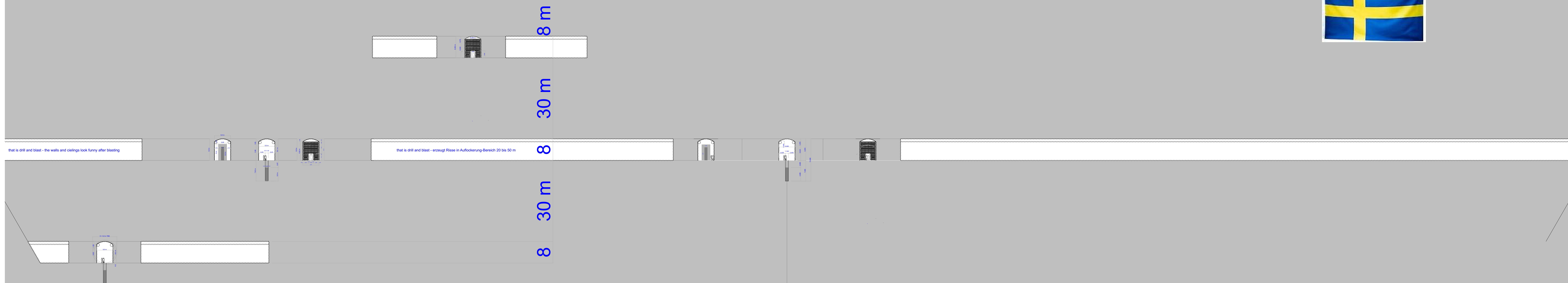
6,000



Forsmark 2.0



Tiefenlage Nass-Lager GSF - bzw. Wärmetauscher



max. 49 °C GSR - or - max. 140 °C Decay Heat Unit

Forsmark 1.0 or 2.0



Forsmark SE - HLW Endlager-Planung für Festgestein / Granit / Gneis - Endlager-Behälter ELB 05 SE

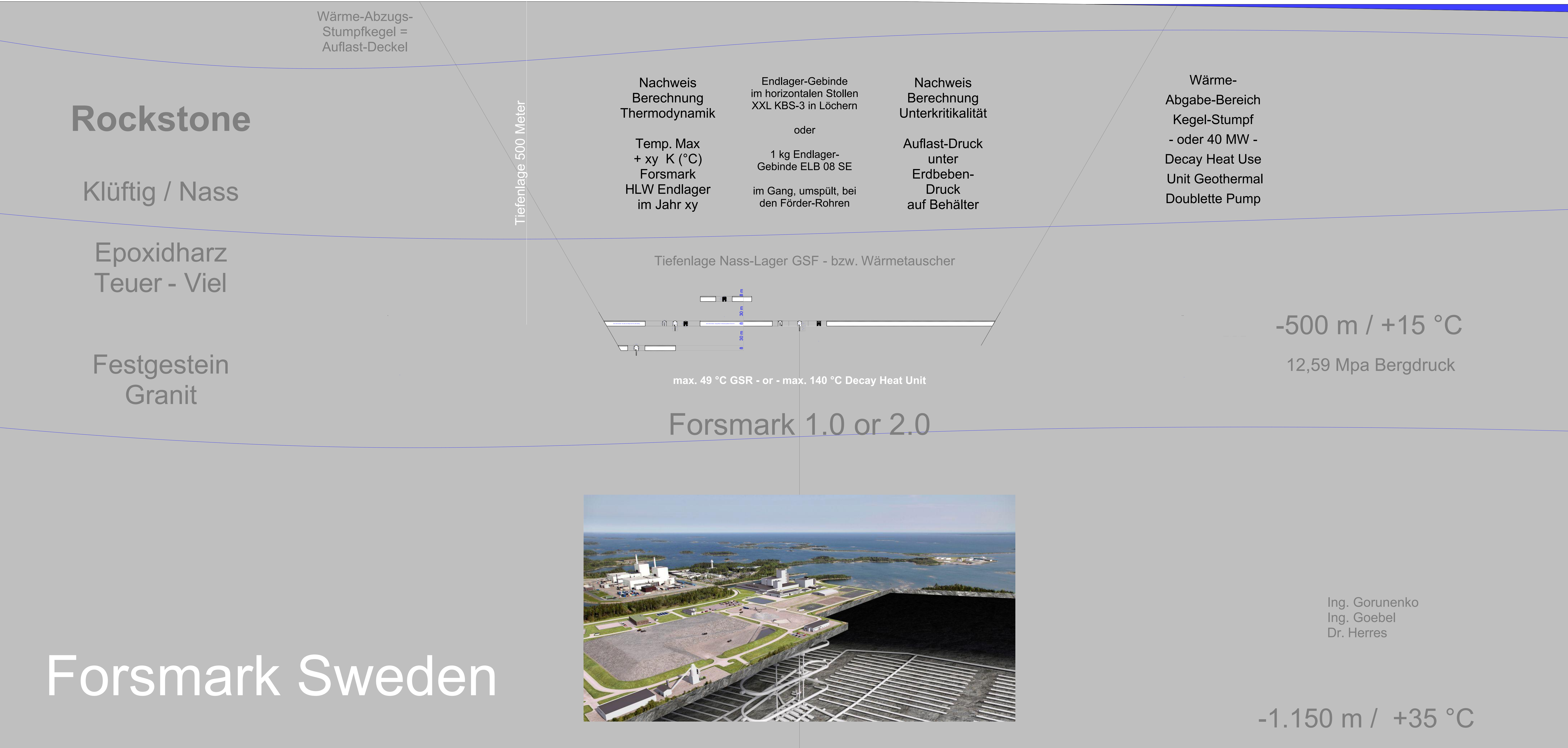
Forsmark SE - GDF for geological storage of nuclear high level waste in rockstone / Granite - ELB 05 SE

Biosphere +10 °C
Winter bis - 20 °C

2,4 km x 3,96 km = 9,5 km²
for the 40 x 40 m KBS-3 field



Baltic Sea



Forsmark Sweden

