

# Forsmark 2.0

ELB in PTH 1.4404

GDF container field

with 20 m  
Distances

= 140 °C max.  
year 60  
when full

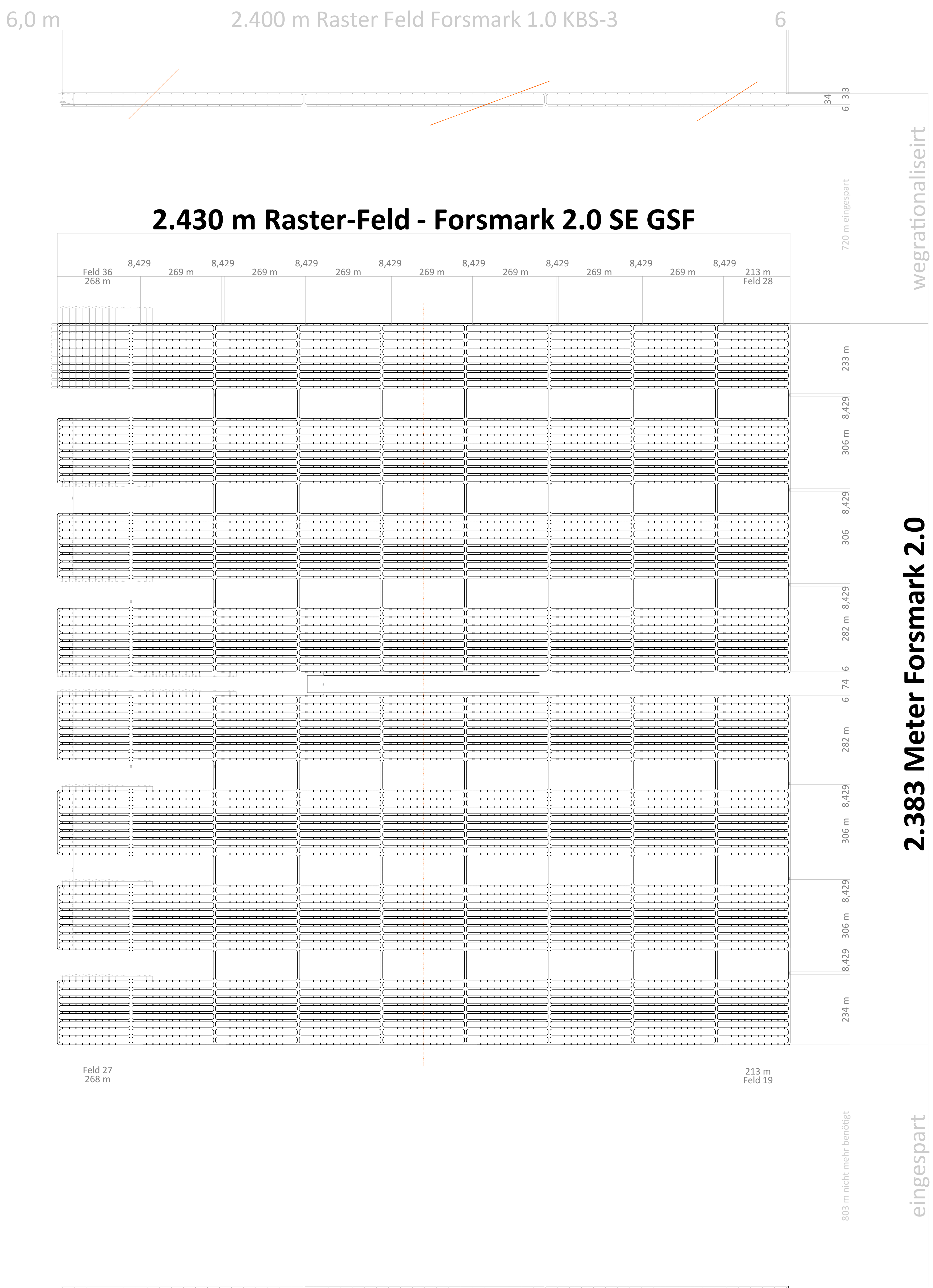
**5,8 km<sup>2</sup>**

depth -550  
- 410 m

Decay Heat Units  
Distance Heat 2 km  
Forsmark village

coast border  
sites UK, Fi, SE, SK

Safe ? Monitoring  
EU Level ? - OK ?



# Forsmark 2.0



always

2 weldings

away from

Water - Decay

Heat Units

0 x critical

masses in

ELB in PTH





ELB in PTH 1.4404

GDF container field

with 20 m  
Distances

= 140 °C max.  
year 60  
when full

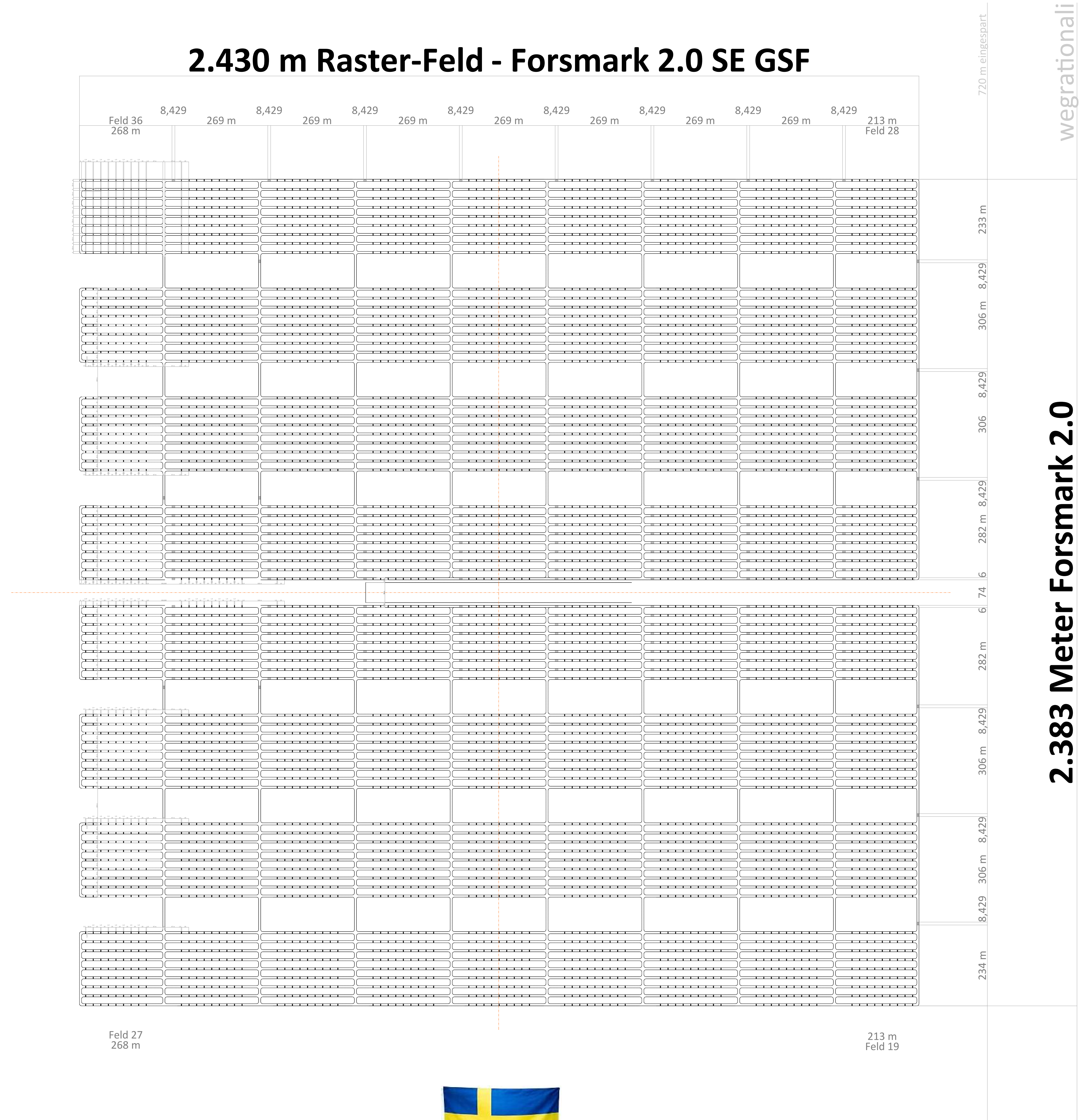
5,8 km<sup>2</sup>

depth -550  
- 410 m

Decay Heat Units  
Distance Heat 2 km  
Forsmark village

coast border  
sites UK, Fi, SE, SK

## 2.430 m Raster-Feld - Forsmark 2.0 SE GSF



2.383 Meter Forsmark 2.0

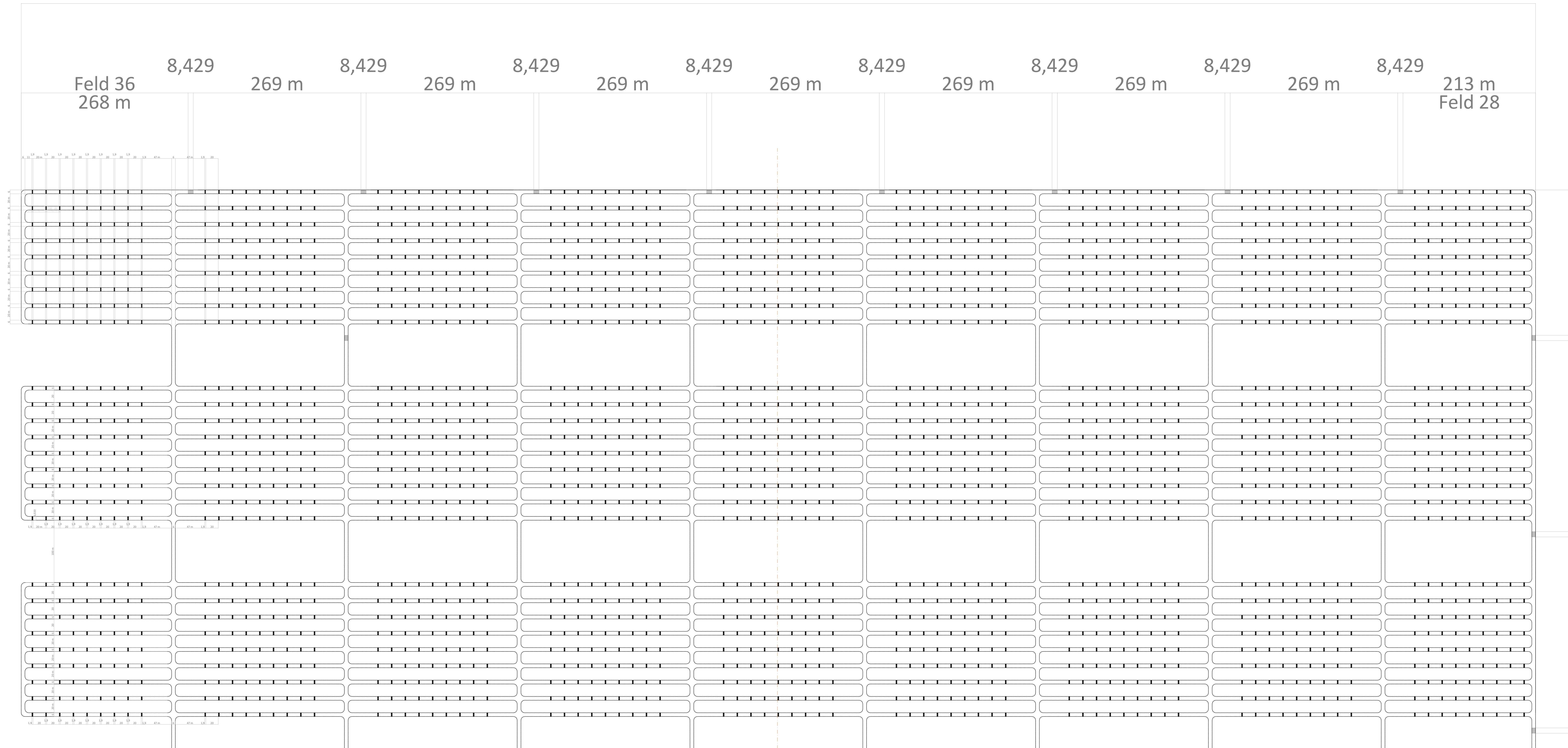






you see the upper part, with shelves, that contain ELB in PTH Floorplan  
These Decay heat units in -500 m depth go up to 140°C without vapour.

## 2.430 m Raster-Feld - Forsmark 2.0 SE GSF



Forsmark 2.0 - 6.000x KBS-3 Inventory in 20 m distances



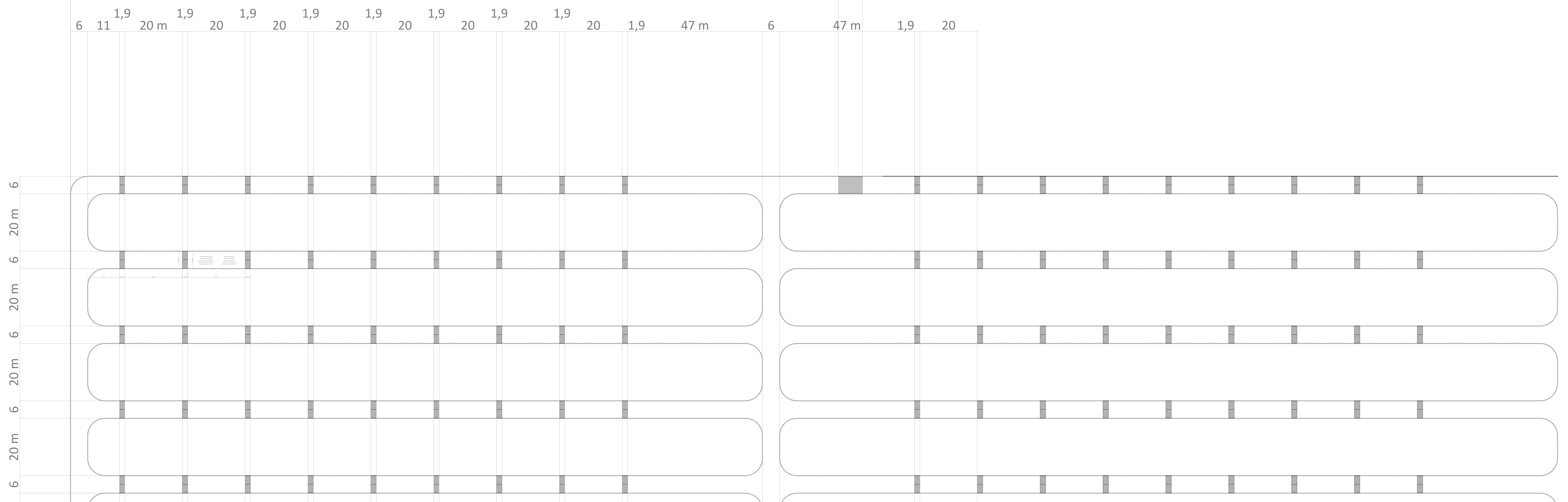


8,429

Σ

Feld 36  
268 m

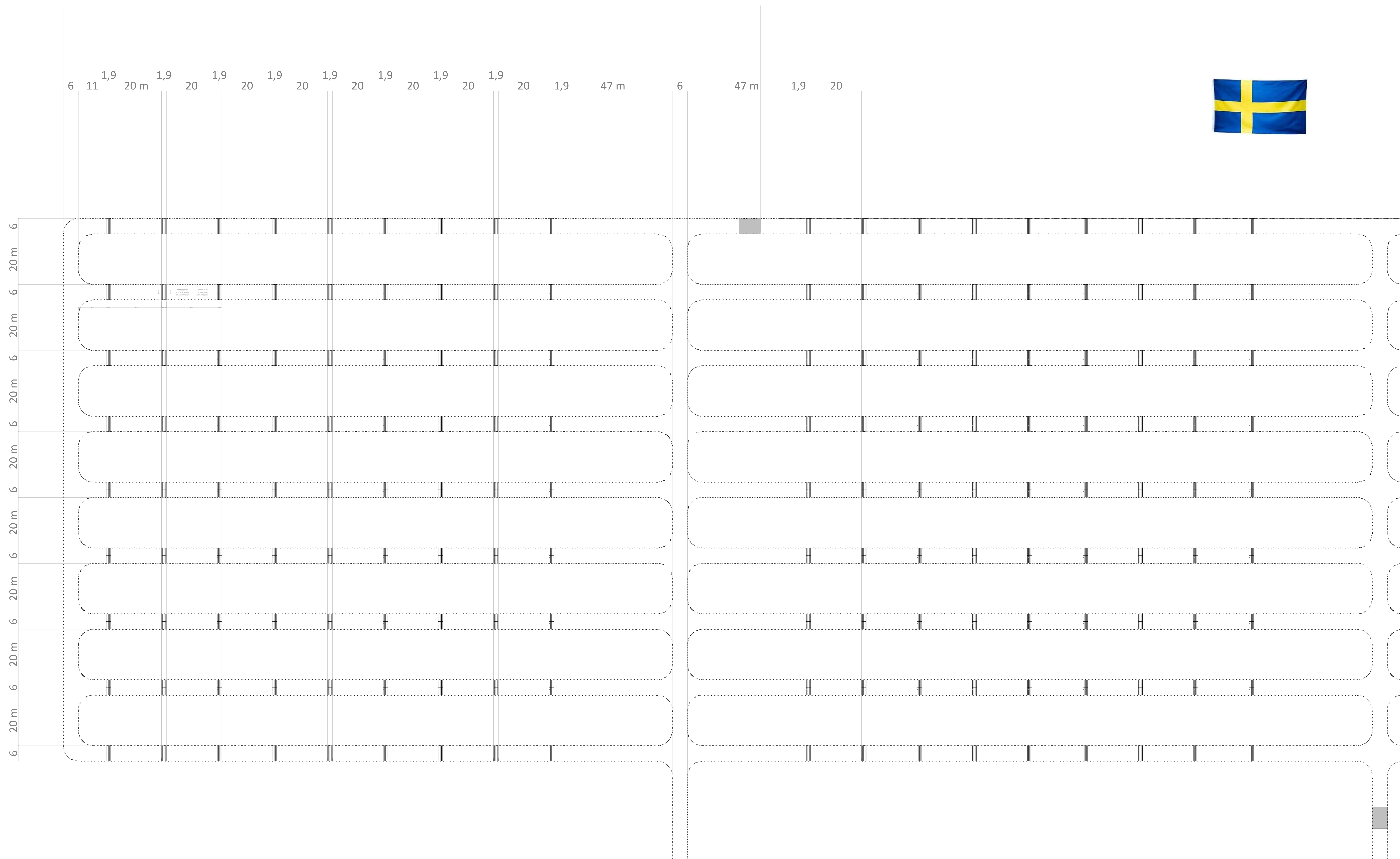
269 m



Forsmark 2.0 - Decay Heat Units - nuclear waste heat



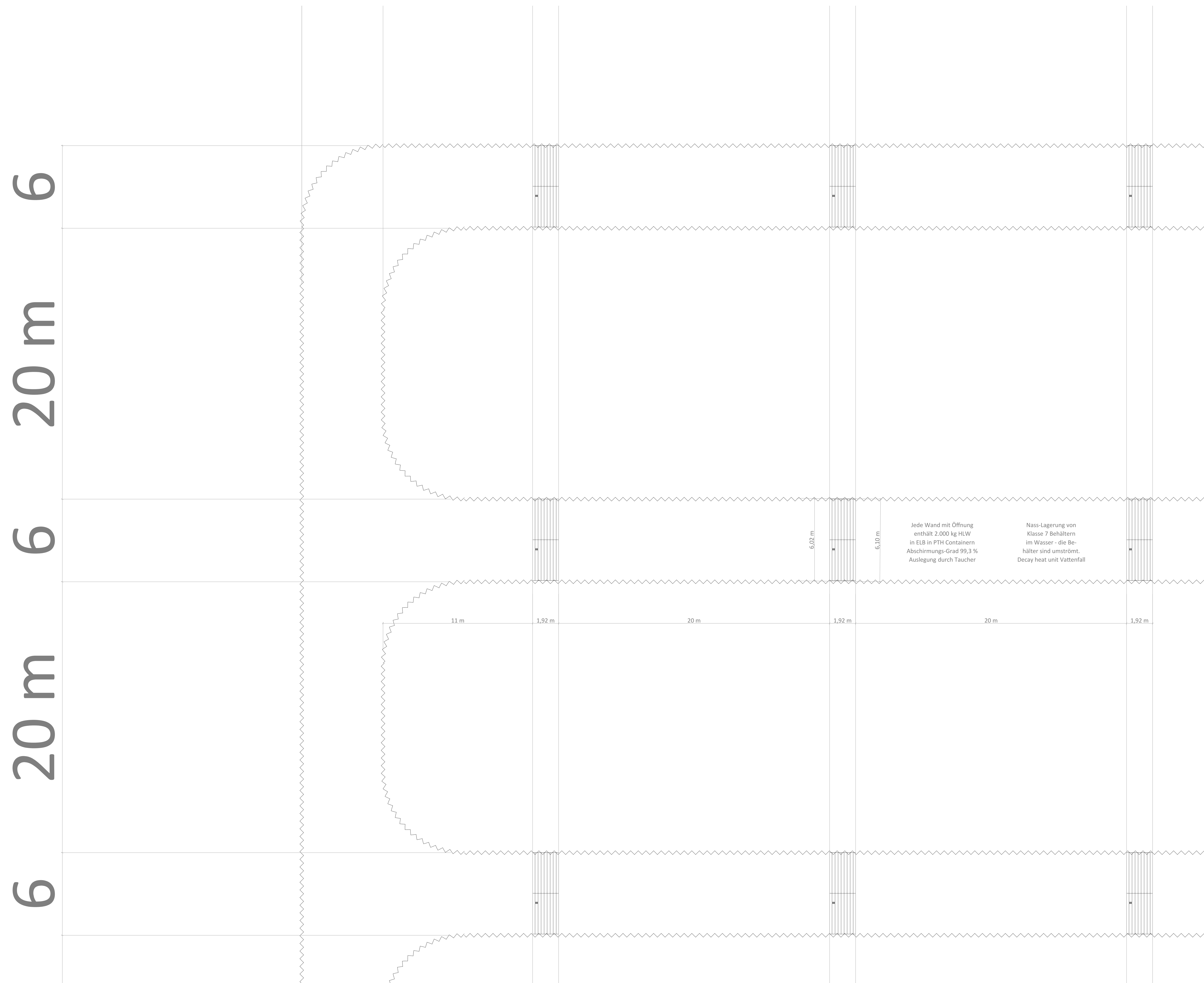




Forsmark 2.0 - Decay heat field - 40 m distances





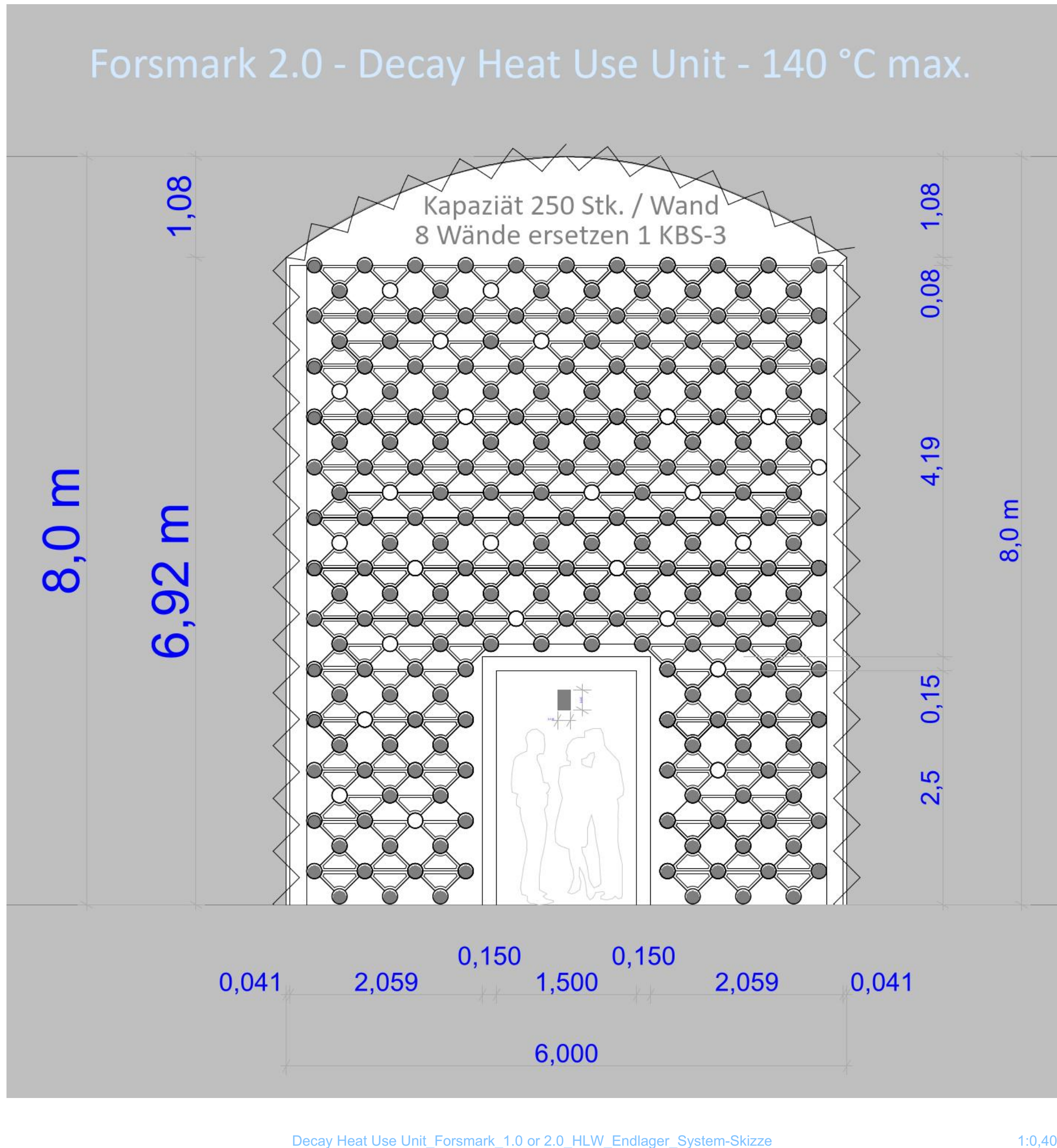
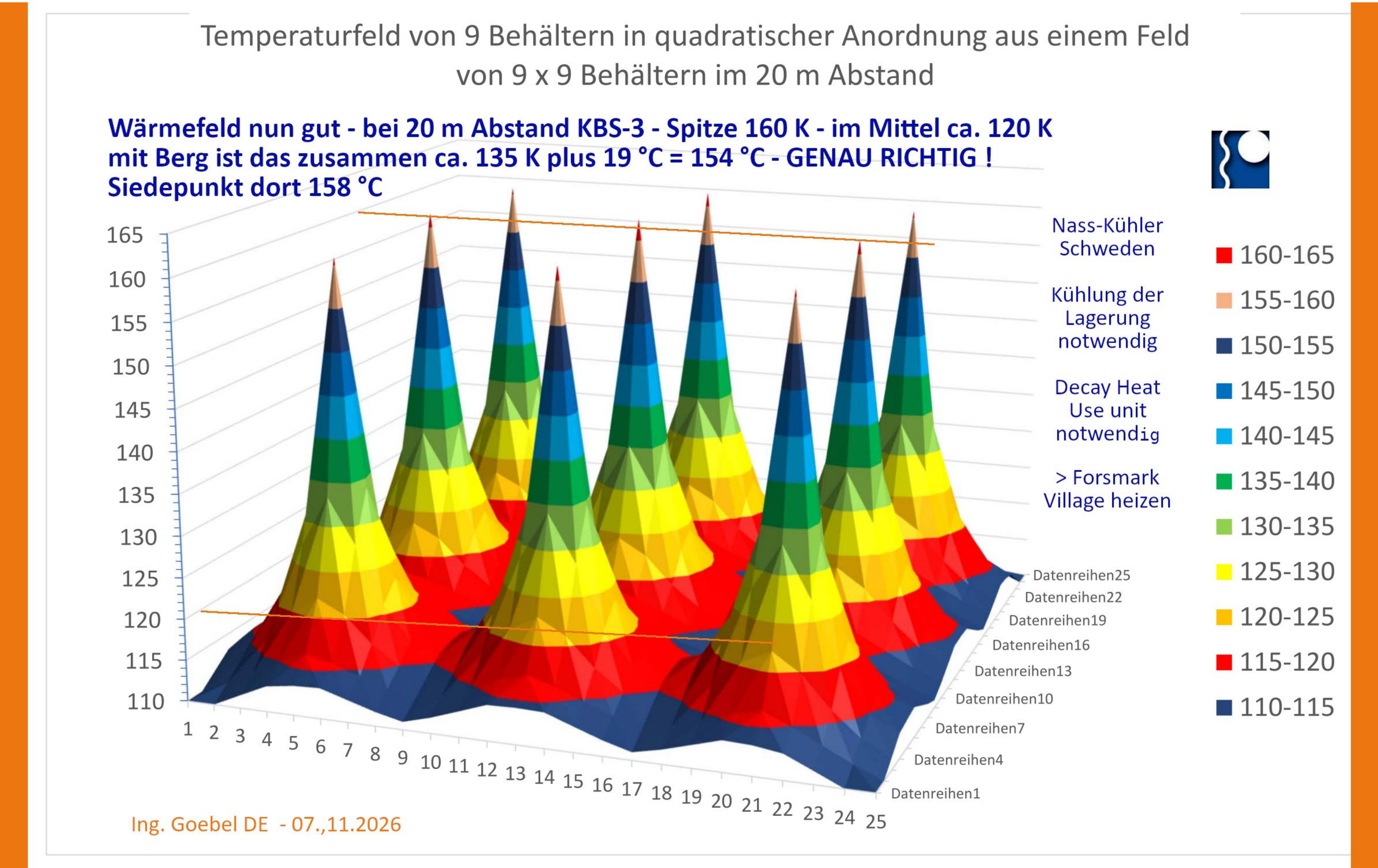


Forsmark 2.0 - Decay heat field - 40 m distances

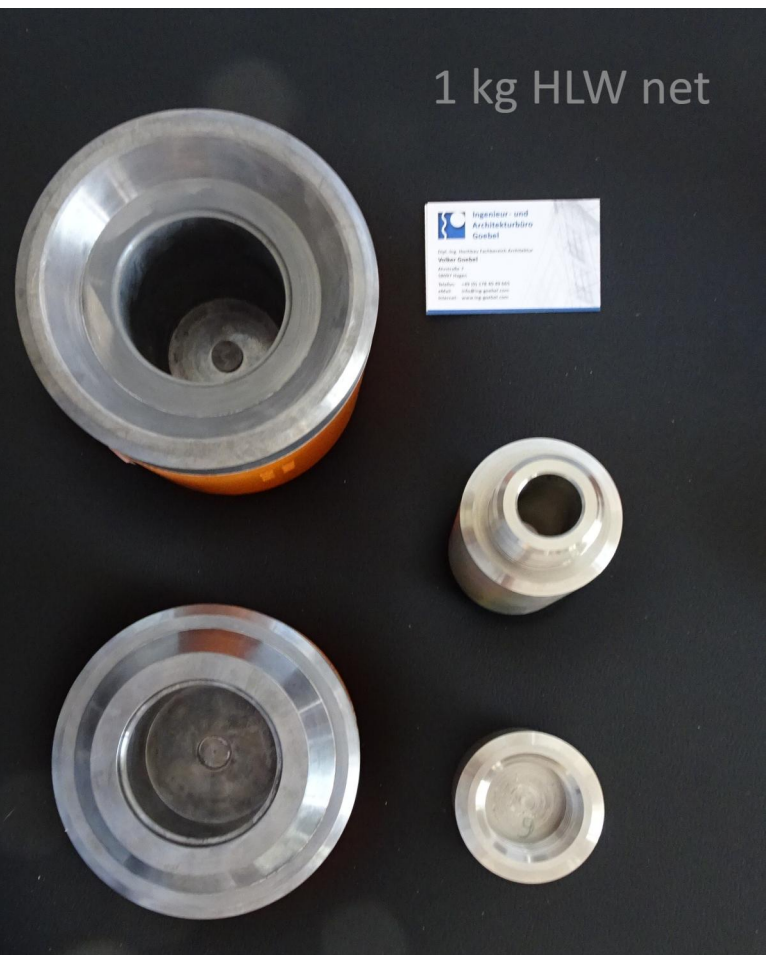




# Forsmark 2.0 - Decay heat field - 40 m distances - Arch. followed the Physicist

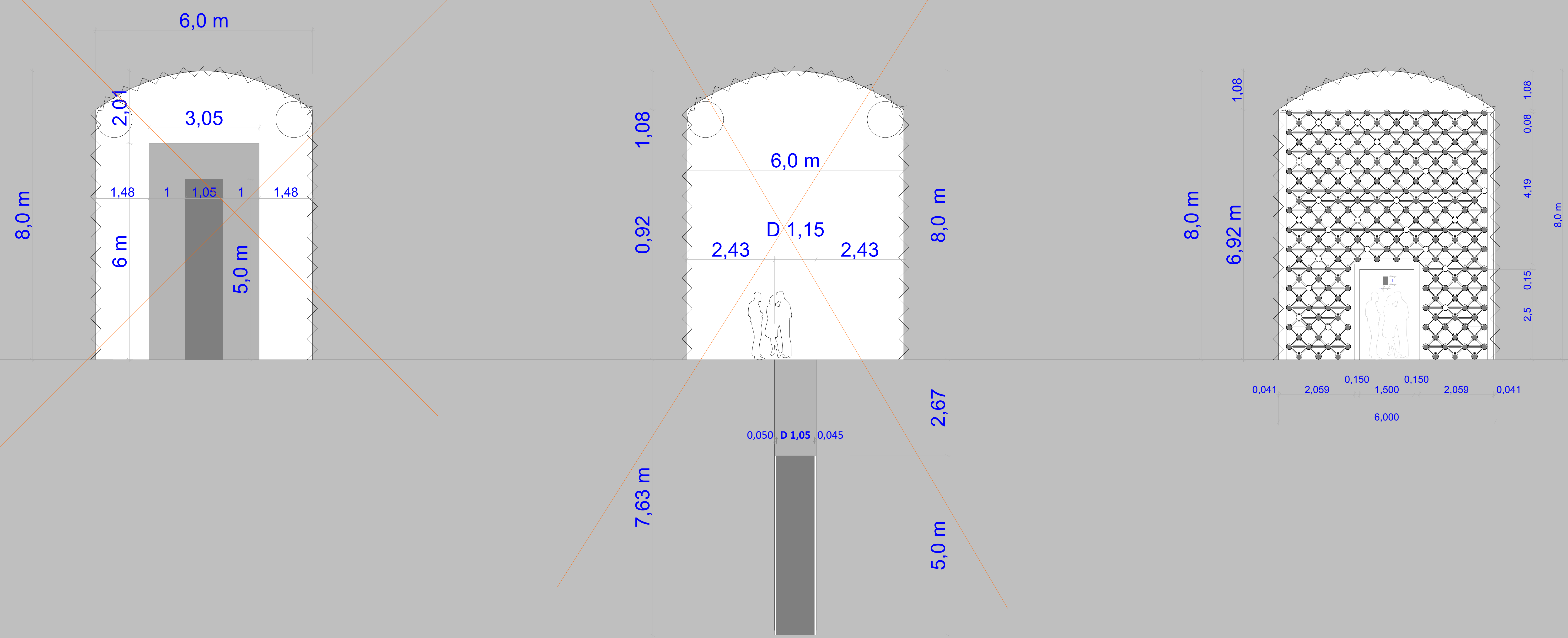


Forsmark 2.0  
GSF GDF SE  
12.000 ELB  
in PTH in 20 m  
distances





# Ideas for GSF in hardrock - from Sweden and Germany



Forsmark 2.0





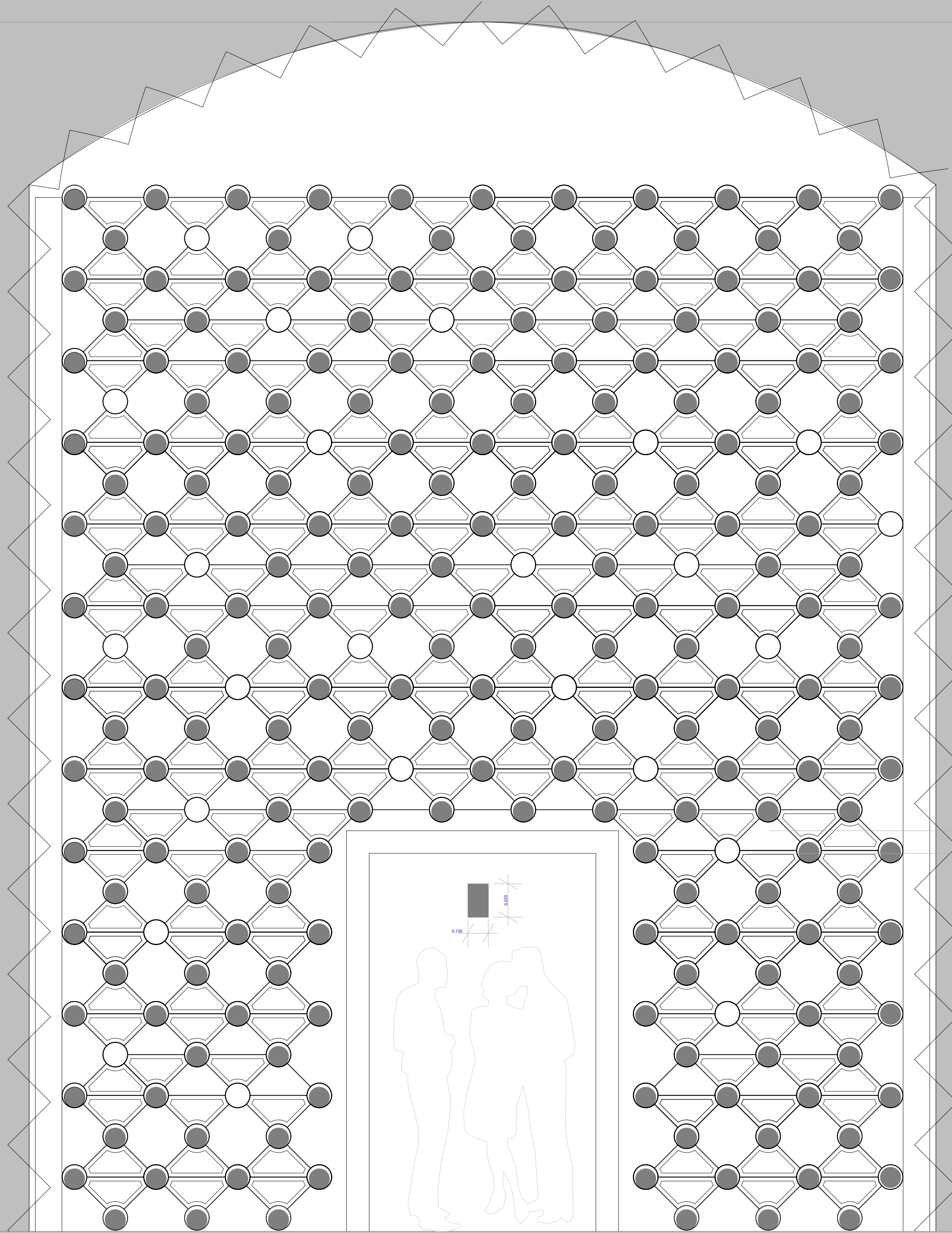
# Build it - flood it - use 6 x 2 MW Heat over hundrets of years

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

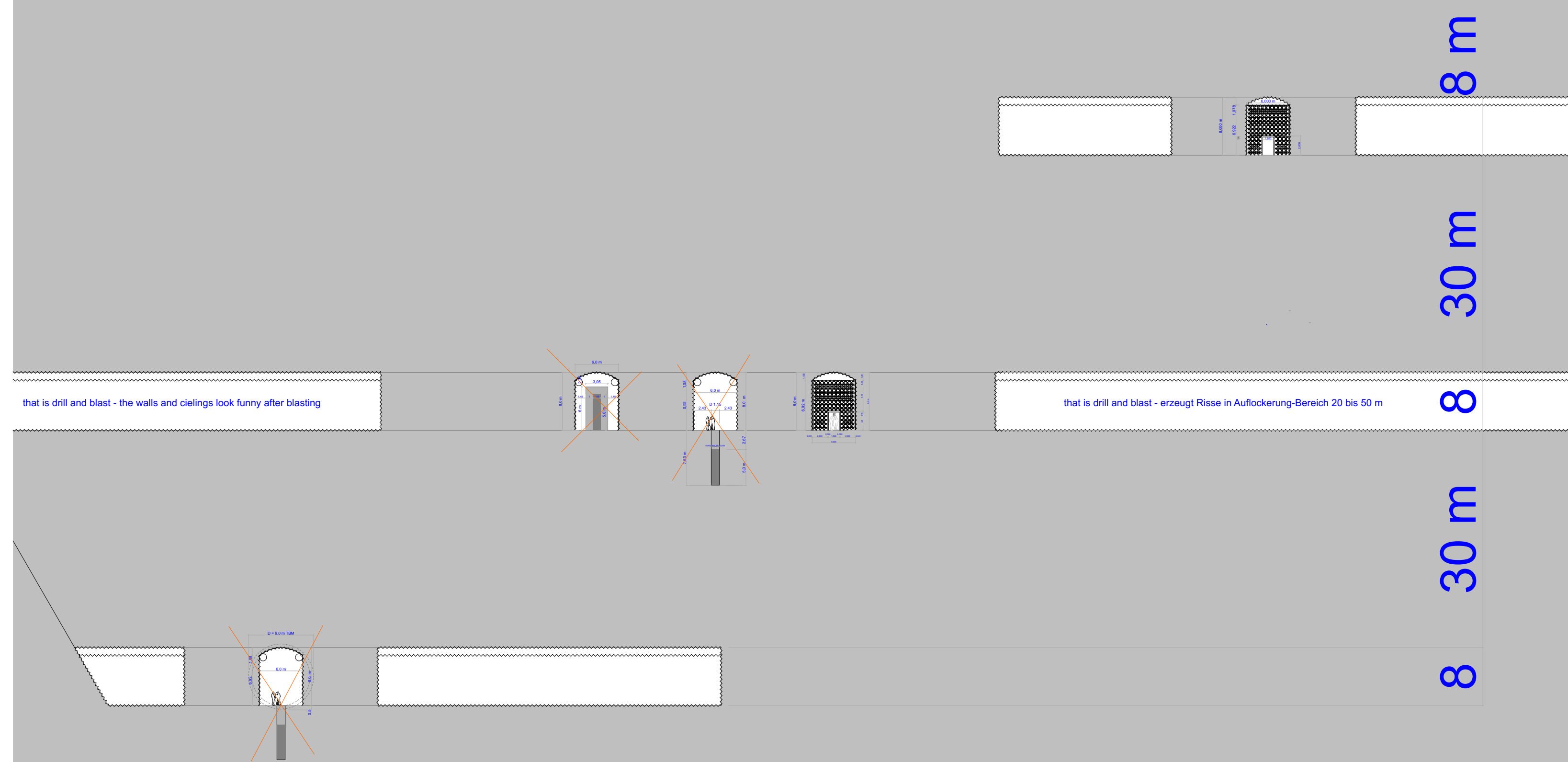


Forsmark 2.0





# Tiefenlage Nass-Lager GSF - bzw. Wärmetauscher



max. 140 °C Decay Heat Unit

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Forsmark 2.0 - HLW Endlager-Planung für Festgestein / Granit / Gneis - Endlager-Behälter ELB 05 SE  
Forsmark 2.0 - 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 km<sup>2</sup>  
for the 40 x 40 m KBS-3 field



Baltic Sea

