

GEOOP's approach to manage and de-risk geothermal projects for district heating

EGEC

GEORISK Webinar

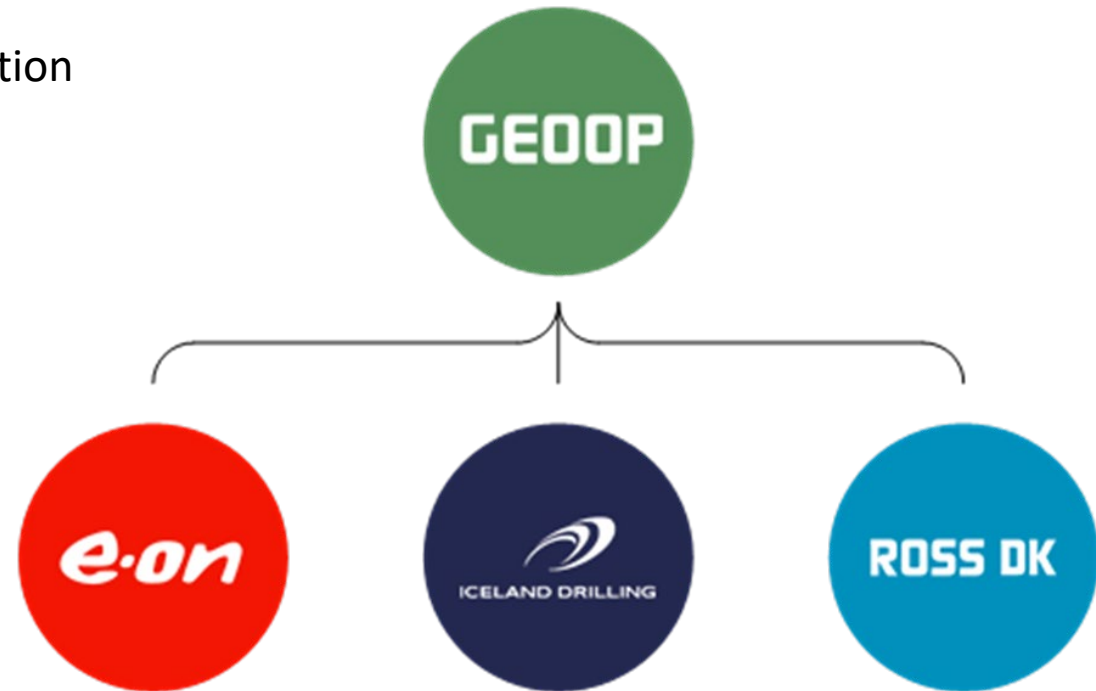
9 September 2021



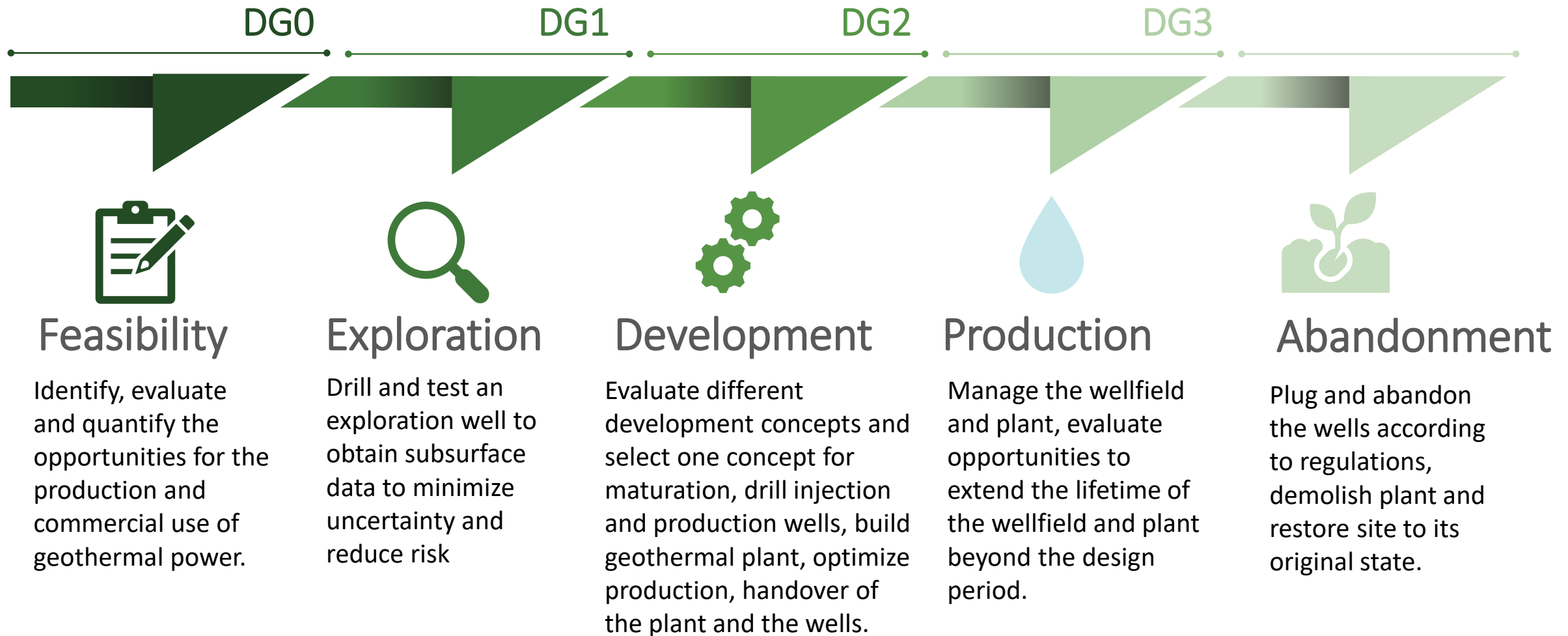
GEOOP

GEOOP partnership

- E.ON
 - Geothermal plant design, construction and operation
 - District heating networks
- Iceland Drilling
 - Drill rig owner
 - Drilling of geothermal wells
- Ross DK
 - Geothermal reservoir characterization and development
 - Well design, drilling and completions
 - Geothermal energy production

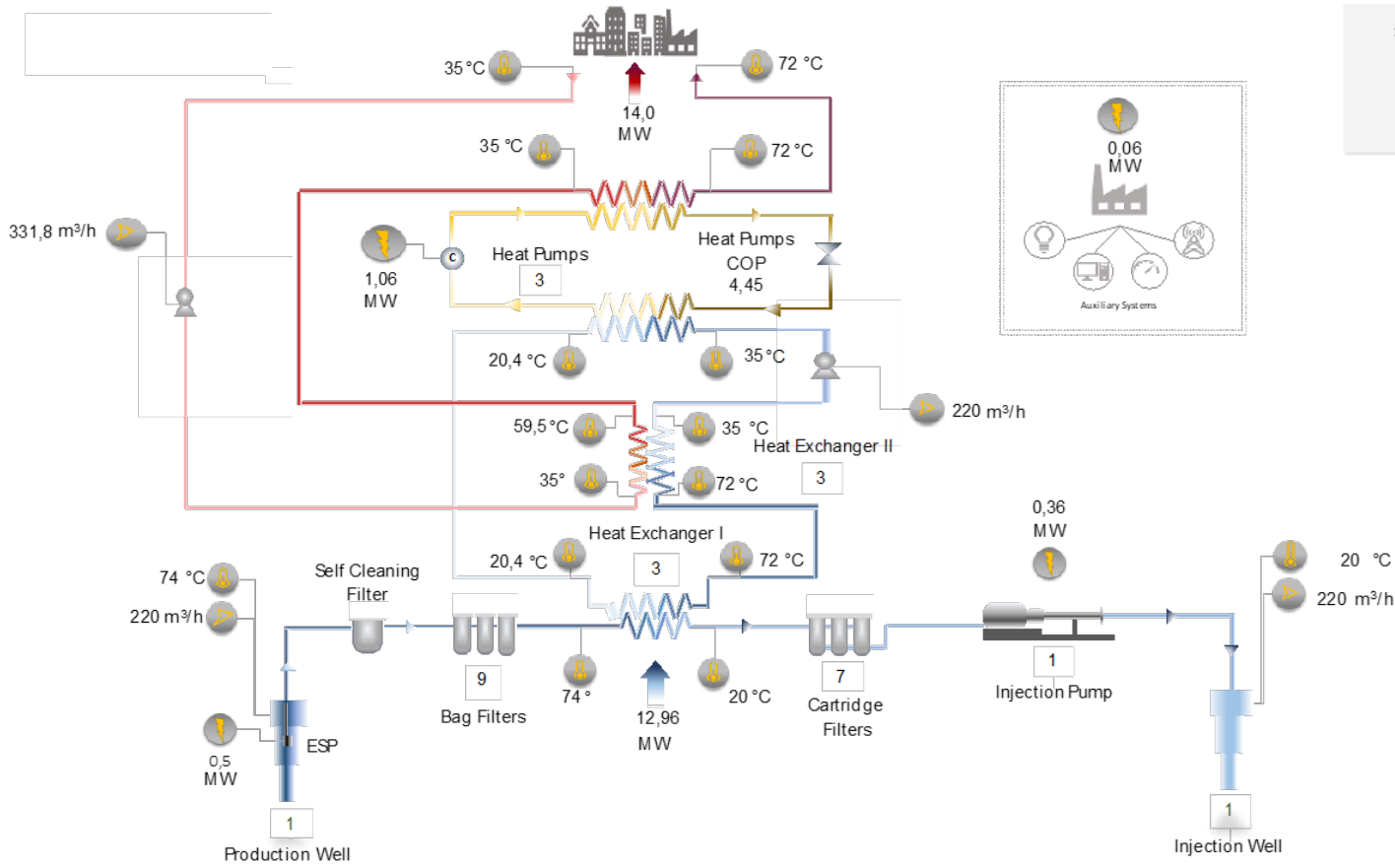


Asset Maturation Process – manage and de-risk projects

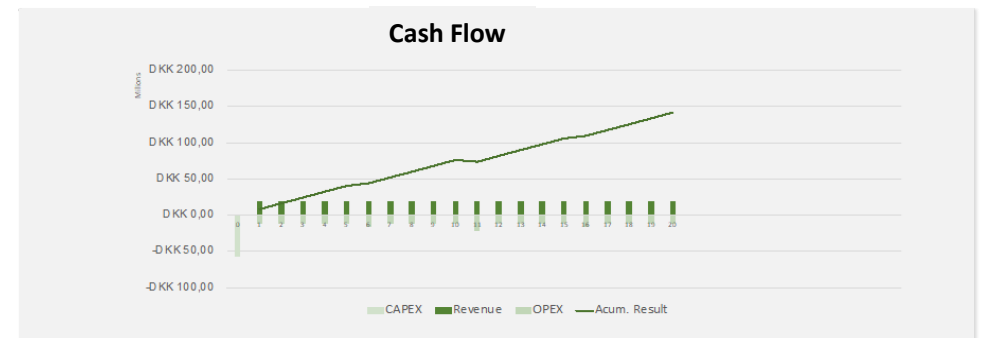
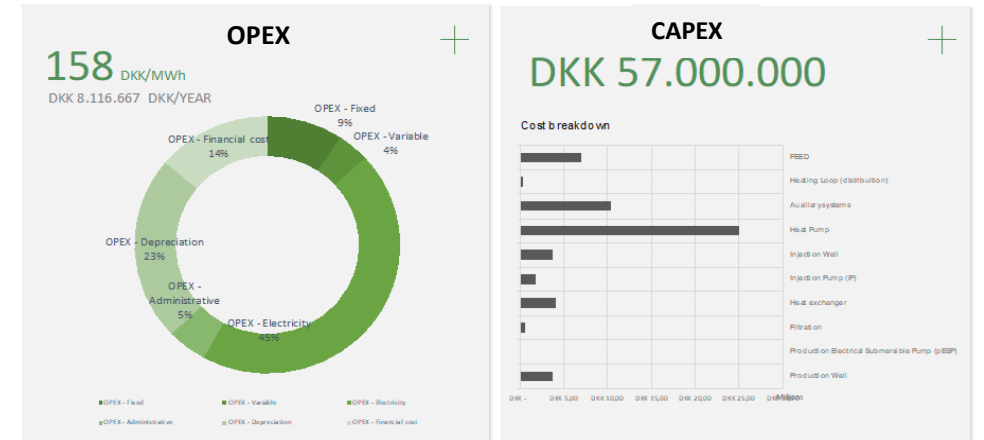


Geothermal business case calculator: SCALA

Output



SYSTEM'S COP	PLANT POWER PRODUCTION (MW)	THERMAL ENERGY DELIVERED (MWH)	ELECTRICITY CONSUMPTION (MWH/YEAR)	THERMAL POWER FROM WELLS (MWH)	OPERATIONAL HOURS/YEAR
4,2	9,81	53.936	12.811	46.185	5.500



Successful geothermal development projects

- ✓ Partnership with the local district heating company
- ✓ Phased management approach to de-risk and mature projects (Asset Maturation Process)
- ✓ Geothermal business case calculator (SCALA)
- ✓ Work as an integrated Asset Team

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