KazakTech

Connect the world to make the

sun shine 24 hours a day!





100+

Years of Life Experience

—The Valueneers —

Andreas Bachmeier



Mechanical Engineer

Liked the idea of Desertec

Christopher Beckett



Aerospace Engineer

Dreams of electrifying air travel

Felix Wegner



Automotive Engineer

Excited about the electrified mobility of tomorrow

Daniela Ziegler



Biophysicist

Loves finding solutions and nature

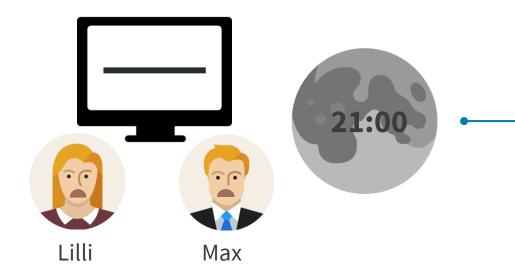
—Olympic Experience—

News: Last Nuclear and Coal Power Plant Offline

Olympic Anticipation 2024

Jack & Jill watch the Olympics @ Jack's Solar powered House





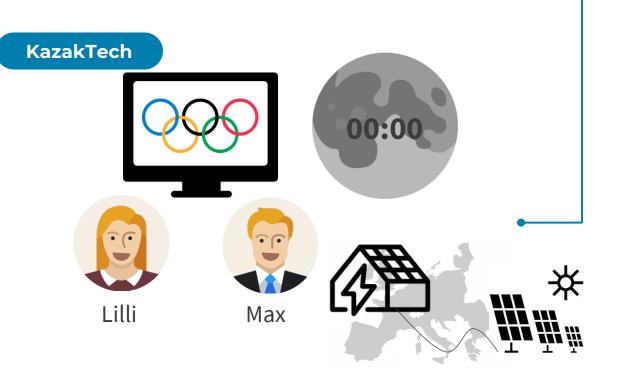
Olympic Idea

Jack realizes that the sun was already up in Tokio! Let's just transfer solar energy to Germany!

Olympic Disappointment

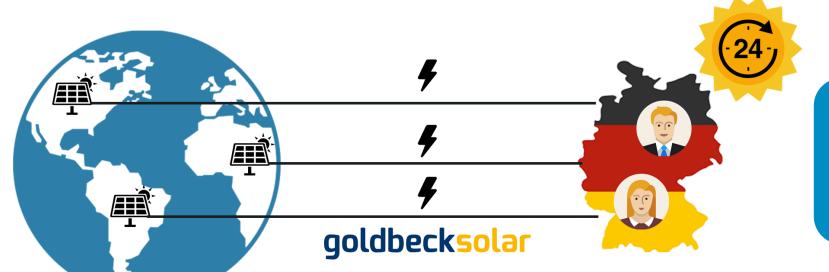
Power Outage as the sun goes down in Germany.





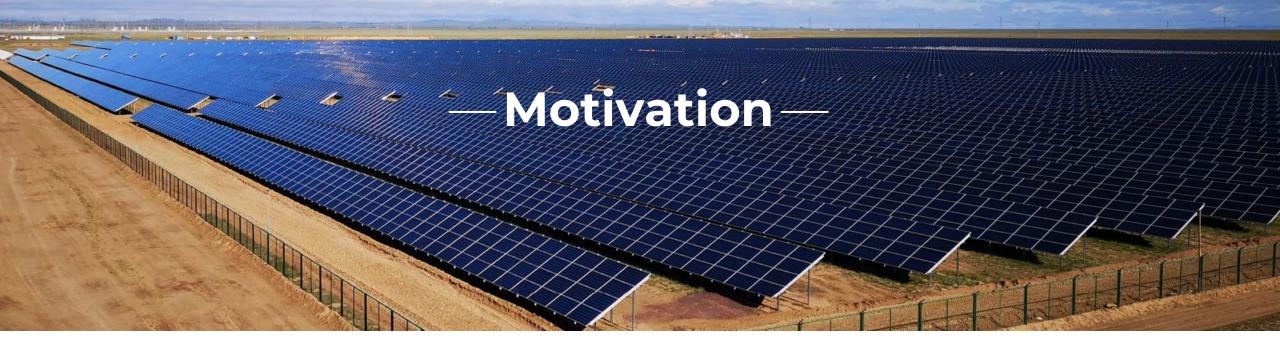
Olympic Vision 2028

Solar Energy around the clock thanks to Goldbeck Solar.



Connect the world to make the sun shine 24 hours a day!











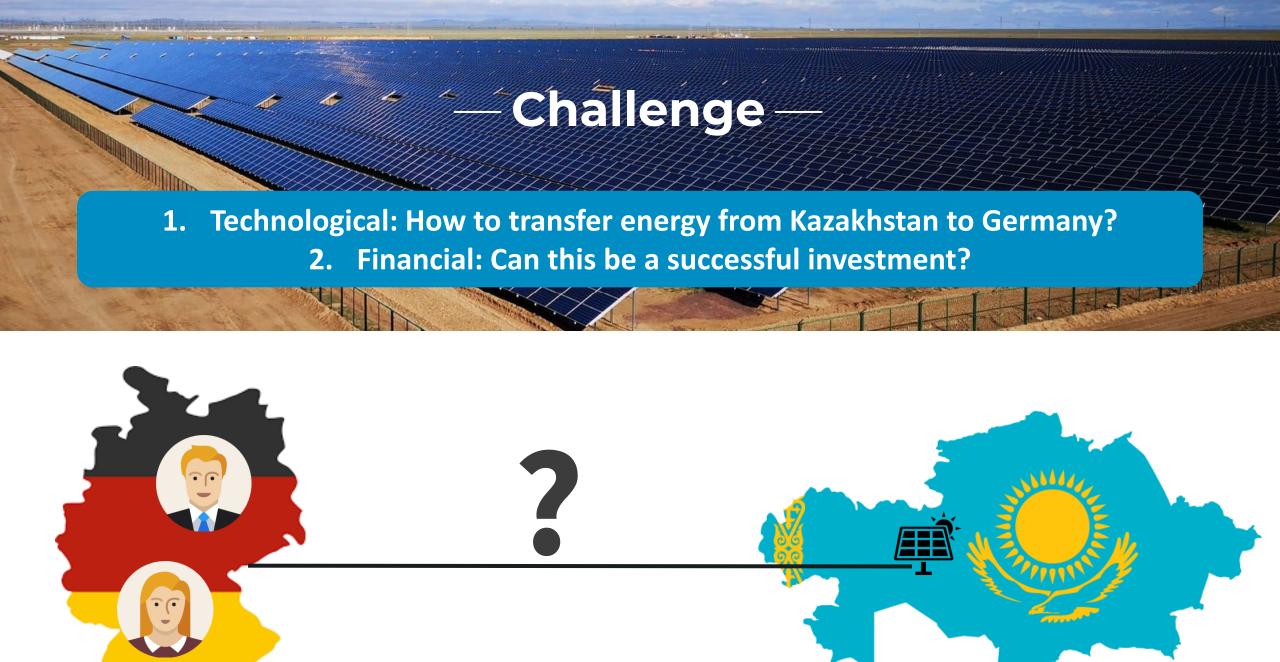
Government and Regulations



Excellent Climate Conditions



Advantageous Time Shift

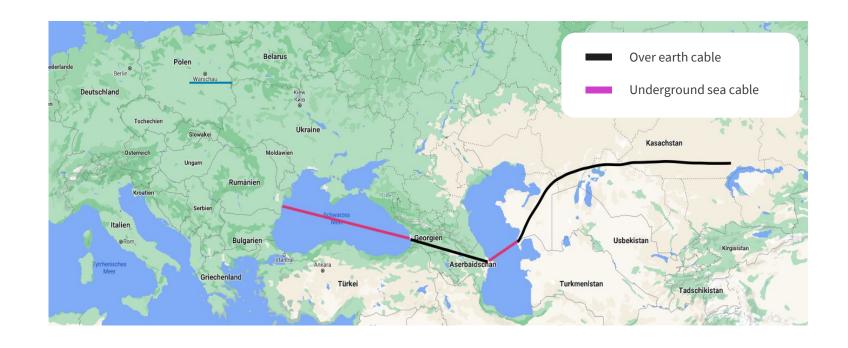


— 2 Scenarios —

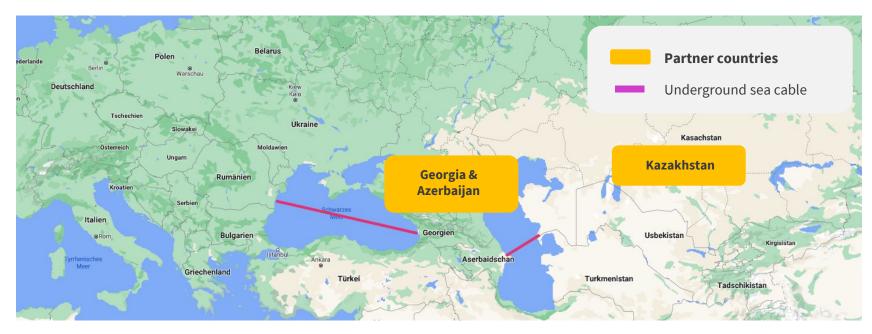
Build Overland Lines + Sea Cable

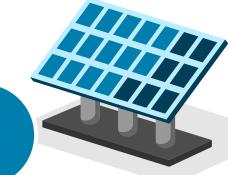
→ 2500 km Overland + 1300 km Sea Cable





— 2 Scenarios —

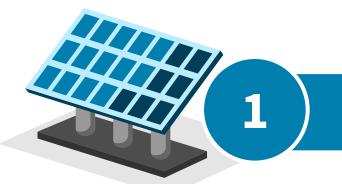


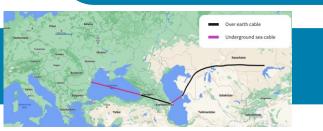


— 2 Scenarios —

Main Assumptions

- 1. Energy revenue 5ct/kWh; Increase of 2%/annum
- 2. Cable capacity scale down: 70% of peak
- 3. More cable necessary due to 40% availability
- 4. Price surcharge of 25% on underwater cables
- 5. 95% transmission efficiency
- 6. Neglect of the degradation of the PV system

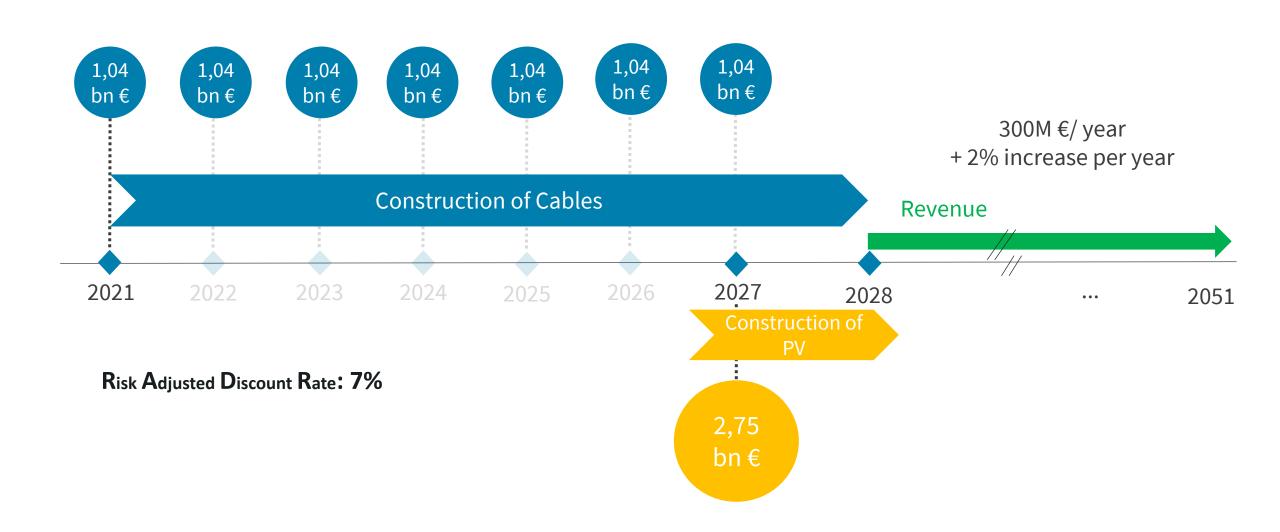


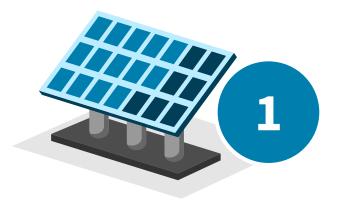






— Base Case —





2.5

2.0

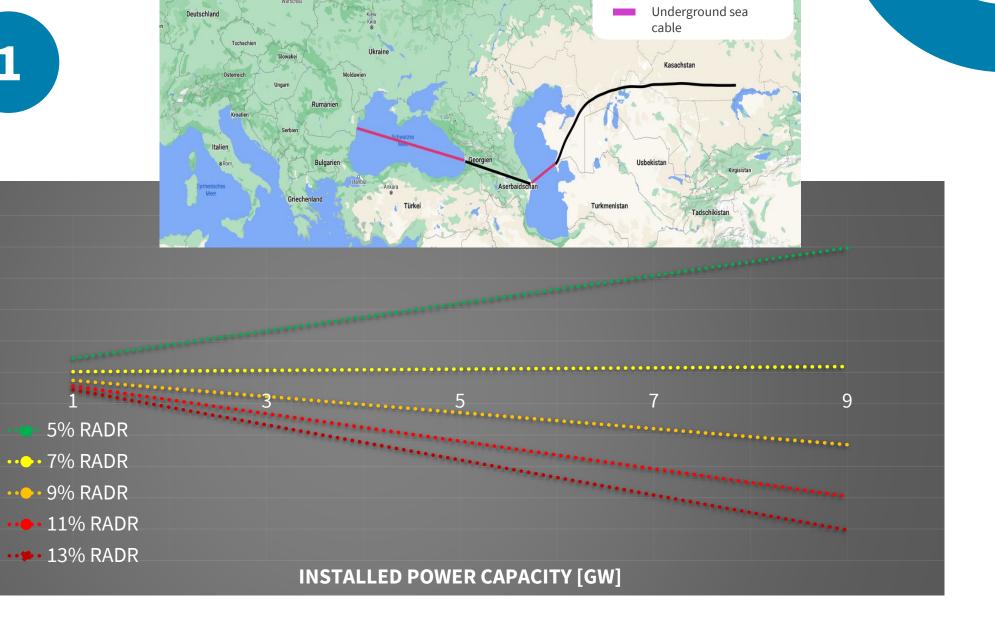
1.5

(30 YEARS) [BN€] 0.0 0.0 -1.0 -1.0

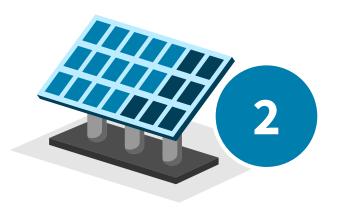
-2.0

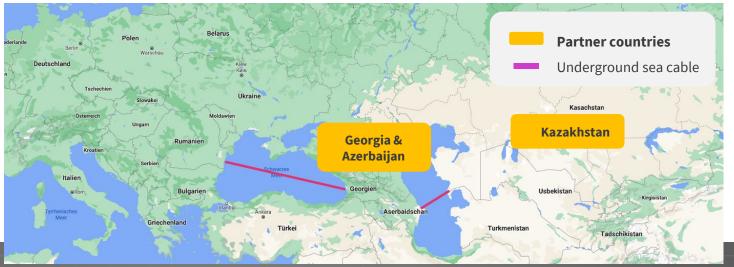
-2.5

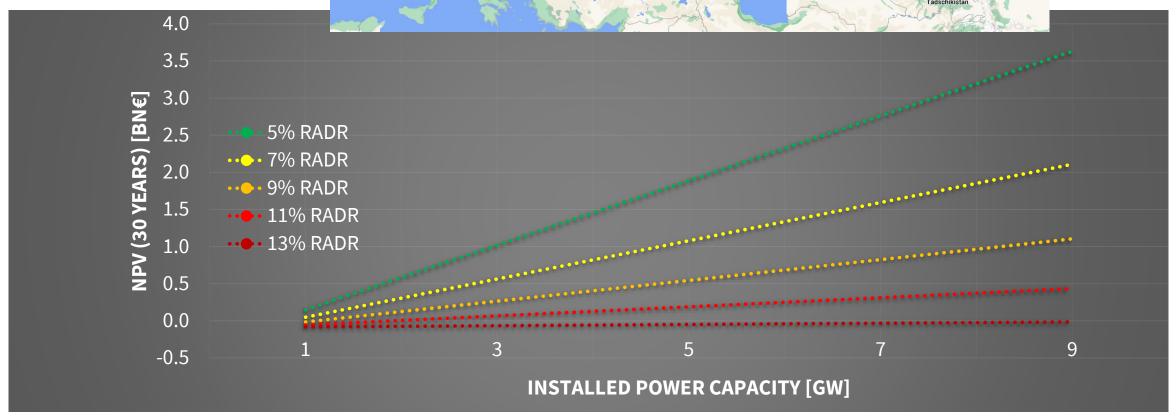
-3.0



Over earth cable









— Result —

Involve local Governments and utilize existing infrastructure (only build sea cables)

Usage of Batteries too expensive → Option for future installation due to price decrease

Low interest rate due to cooperation with EU



— Feedback—

Now that Goldbeck Solar made

KazakTech work, I'm convinced that
the EU governments should support
further solar projects for a
sustainable future!

Svenja Schulze

Federal Minister for the Environment





—Feedback—

We are proud to be the first company, which proved that importing solar energy is feasible. Now we can continue on our journey to transfer the power of the sun around the world.





Goldbeck Engineer

Solar Energy Expert





