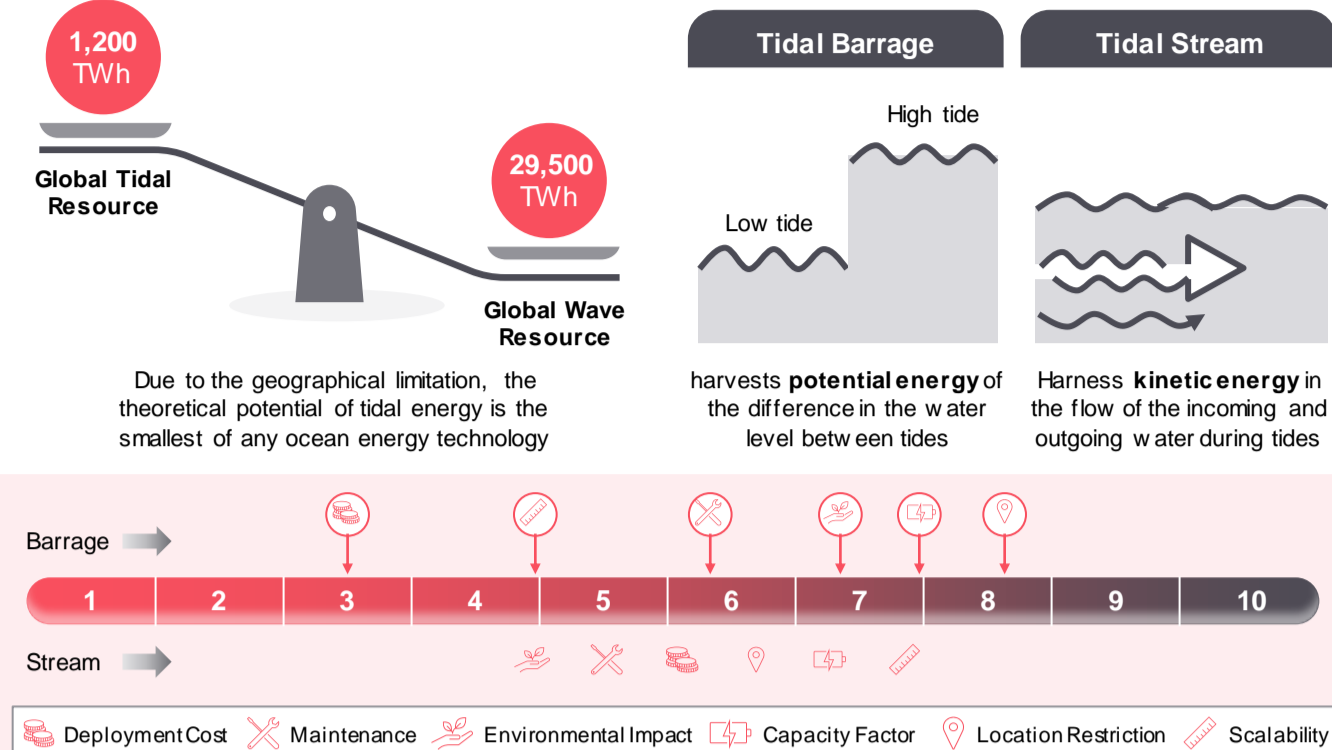


## TIDAL ENERGY

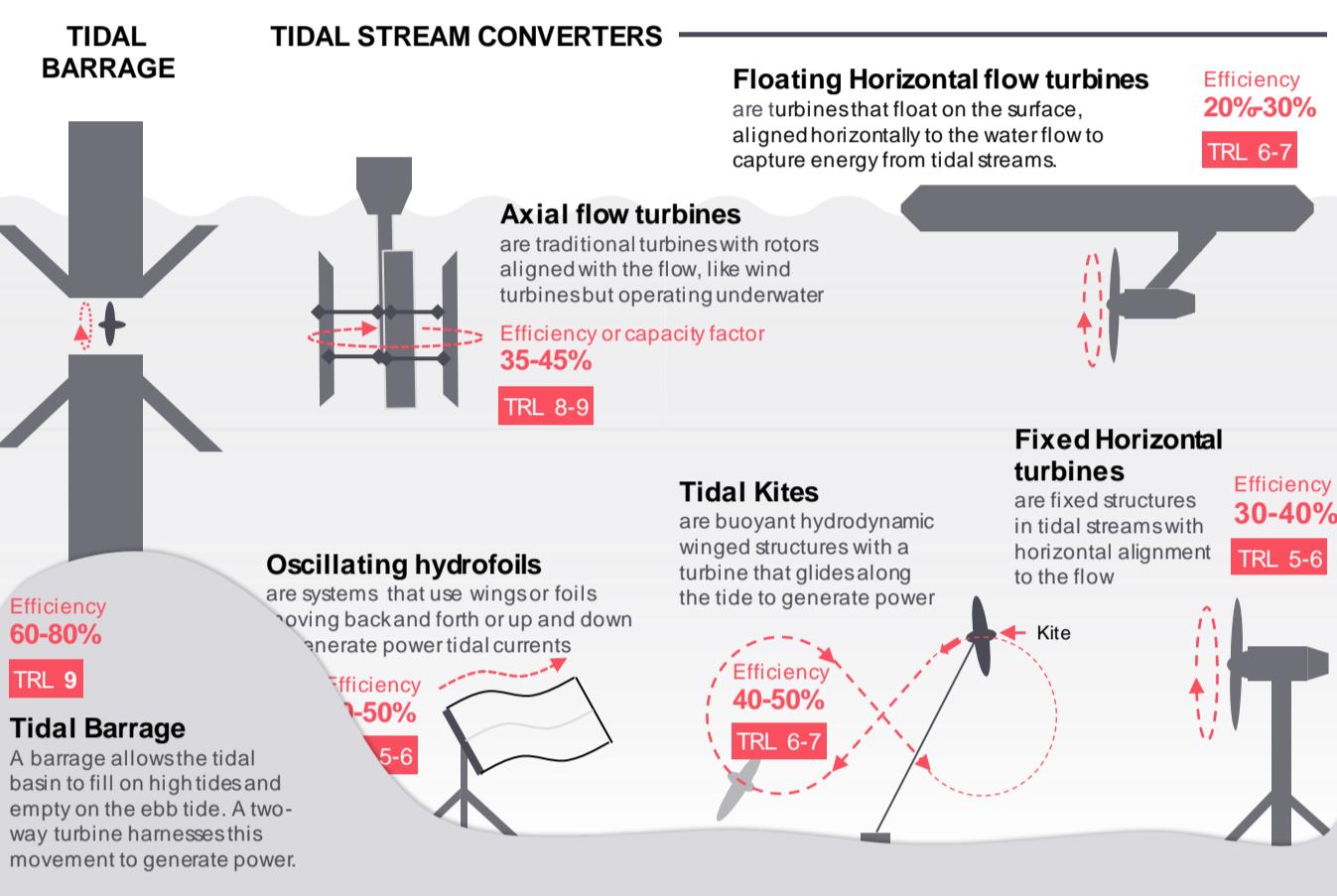
### Decentralized Energy for Islands

## Tidal Energy and Tidal Resource

Tidal Energy harnesses tides, a natural rise and fall in seawater level influenced by the gravitational forces of the moon and the Sun, to generate energy.

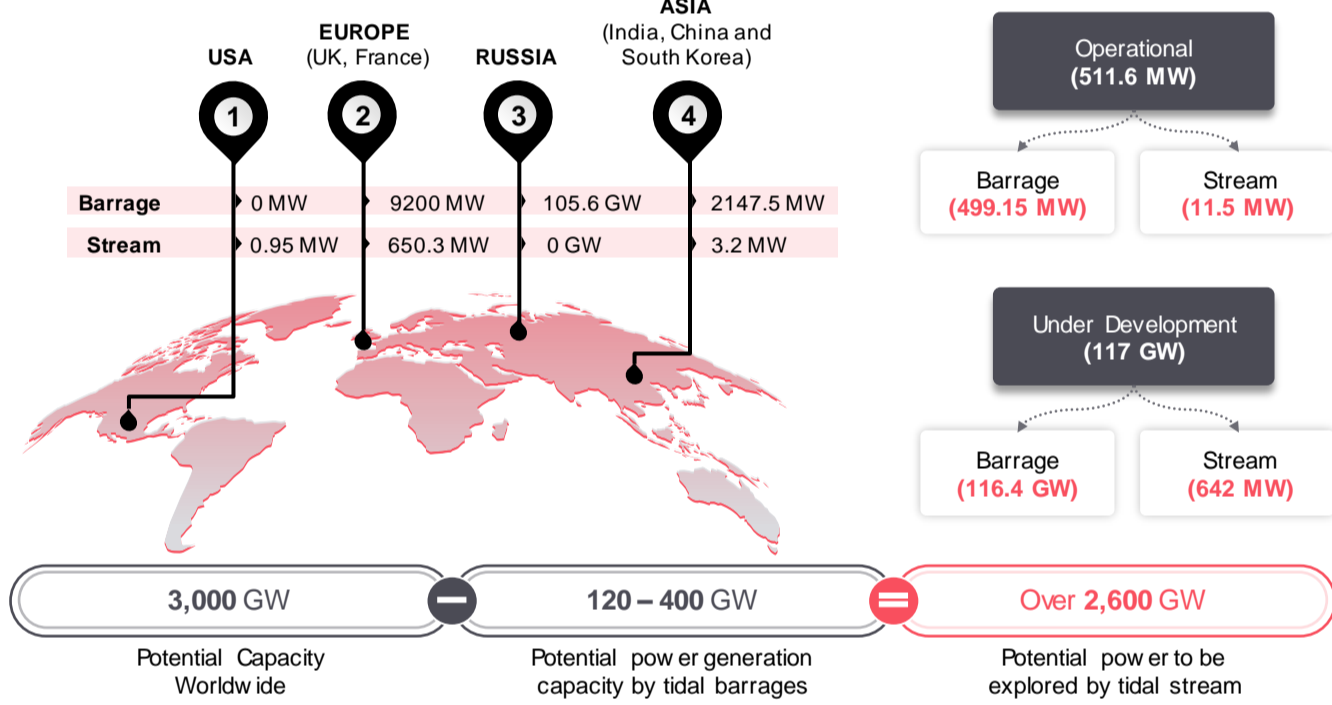


## Types of Tidal Energy Converters



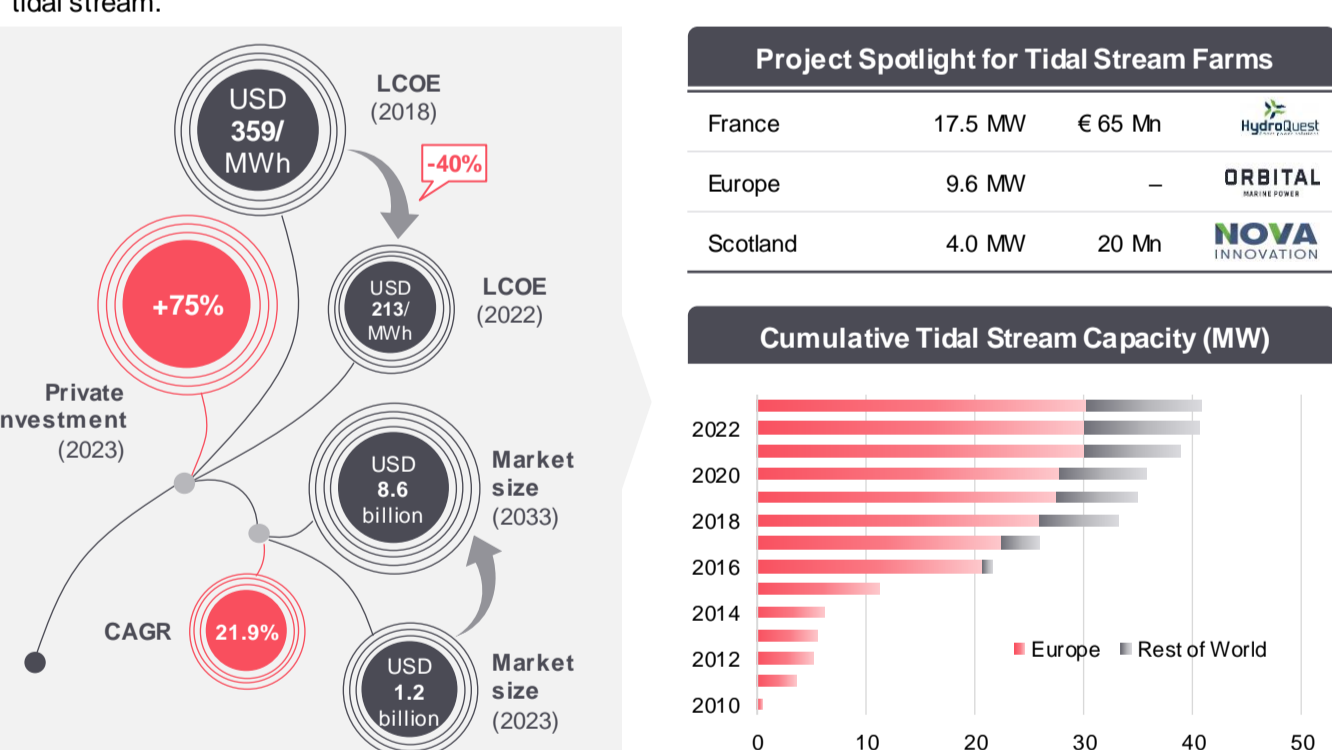
## Tidal Energy Projects Worldwide

Most project today adopt tidal barrages. However, its potential is limited leaving a huge gap to be explored by tidal stream.



## Market Development and Challenges

As more investments come from public and private sector, tidal technology has faced significant price reductions, leading to market growth expectation. On the front of investments, European countries are slowly switching to tidal stream.



### Challenges



## Major Technology Provider-Tidal Energy



## Future Perspectives

- Untapped Potential:** Tidal energy, still in its early stages, offers significant opportunities. While tidal barrages dominate, tidal streams remain largely untapped, presenting vast potential for growth.
- Rising Investment:** Strong commitment from Europe and the USA, with substantial financial support and increased private sector investment, foreshadows rapid growth. Projections indicate a robust annual growth rate of 22% by 2033.
- Environmental Advantage:** Tidal energy addresses land use challenges, particularly vital for islands. Tidal stream energy, adaptable and eco-friendly, contrasts with the complex and impactful nature of tidal barrages. Maximizing tidal energy's benefits requires advancements in technology and supportive policies.

## About FutureBridge

FutureBridge is a techno-commercial consulting and advisory company. We track and advise on the future of industries from a 1-to-25-year perspective to keep you ahead of the technology curve, propel your growth, identify new opportunities, markets and business models, answer your unknowns, and facilitate best-fit solutions and partnerships using our platforms, programs, and access to global ecosystems and players.