

- ⇒ For the implementation of innovations business cases will need to stretch over a period of 7 -10 years. Such time horizon has to cover for
- o final validation of all design assumptions from already positively concluded feasibilities through some process optimization experiments and realization of a small scale fully integrated demonstration also serving (from 3rd year) onwards for practice oriented education, training or knowledge exchange
 - o final design of 1st kind ultimate anticipated economic scale size plant and its 1st time installation (year 4)
 - o learning curve from practical operations and development of required or obvious achievable optimizations (starting year 5+)
 - o consecutive rebuilding of 2-3 optimized & improved Beta plants each (year 6 & 7)
 - o parallel roll-out of achieved standard design to > 10 in total