



# Physics Design and Economic Assessment of a Long-Pulsed Fusion Power Plant

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- ❖ A concept of long-pulsed fusion reactor was proposed.
  - Inductive driving and self-sustain heating
  - Cut down the auxiliary current drive methods for saving produced electricity power.
- ❖ Preliminary parameters of the long-pulsed fusion reactor was gained by optimized and minimized the cost of electricity (COE) .
- ❖ Economic assessment shows it's COE is acceptable.
- ❖ Stability analysis of power balance preliminarily illustrated it's feasibility.
- ❖ More detailed analysis and further optimization will be launched next step.