



## **Gas Turbine Technology Advancements Foreseen by OEMs to satisfy the current and future Market**

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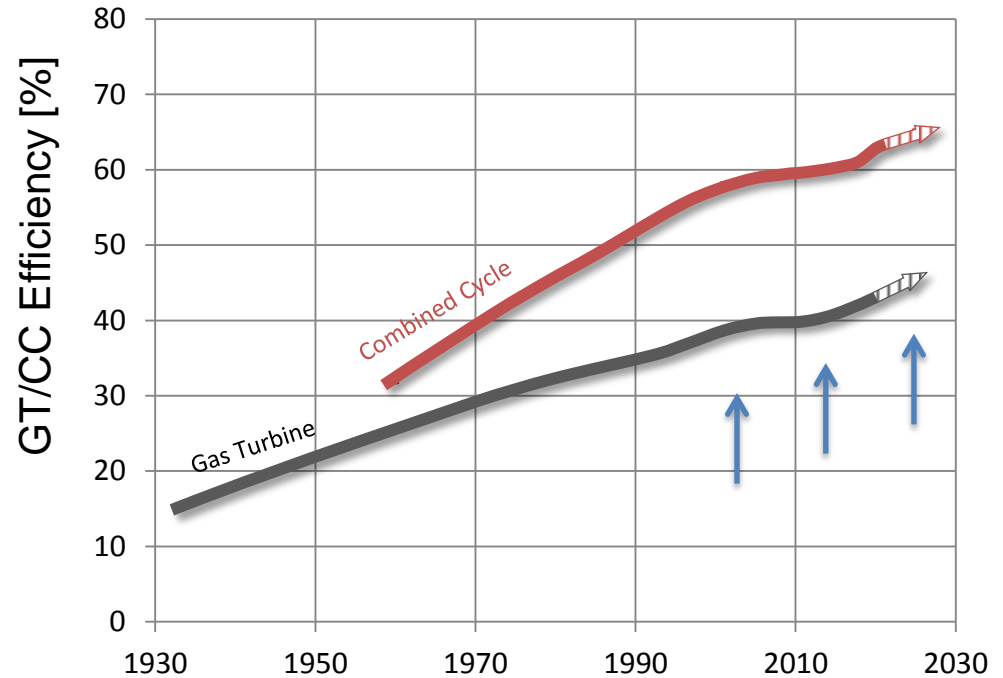
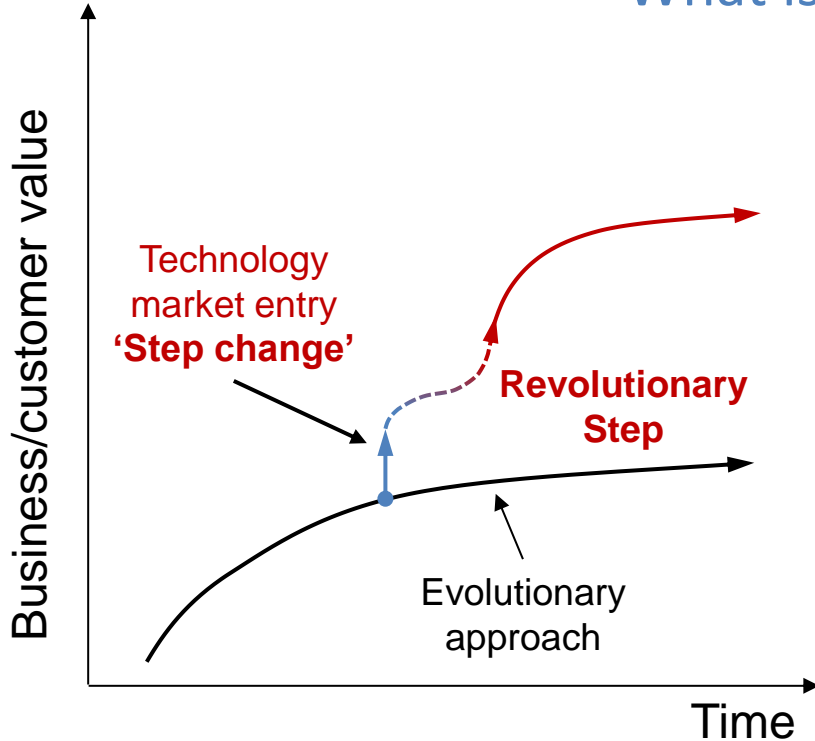
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# GT Technology Advancements

## Gas Turbine Technology Trends

### What is a STEP Change?



- Steady CC efficiency increase until early 2000 (introduction of new technologies)
- CC efficiency 'plateaued' until 2011 (weak presence of renewables, maturity/feedback, etc)
  - Several New technologies in development (e.g. new materials/composites, new manufacturing methods, etc.)
- Very high CC efficiency target(s) dictate the need for new technologies integration and pursuit of additional ones to enable GT operation at very high THG with enhanced flexibility