

# Brown Field Exchange (BEX)



Solution customized to each customer's needs

[siemens-energy.com](https://www.siemens-energy.com)

## Background

Siemens Energy understands in today's dynamic market required flexible solution.

Investment on modernization and upgrade of existing gas turbines to meet the new requirement is often unrealistic, as it might not be feasible or end up in the same price range of exchanging unit or even same life cycle might not be achieved.

With its new Brown Field Exchange (BEX) offering, Siemens Energy is able to meet customers new operational requirements and new legislations by replacing existing gas turbines with new package.

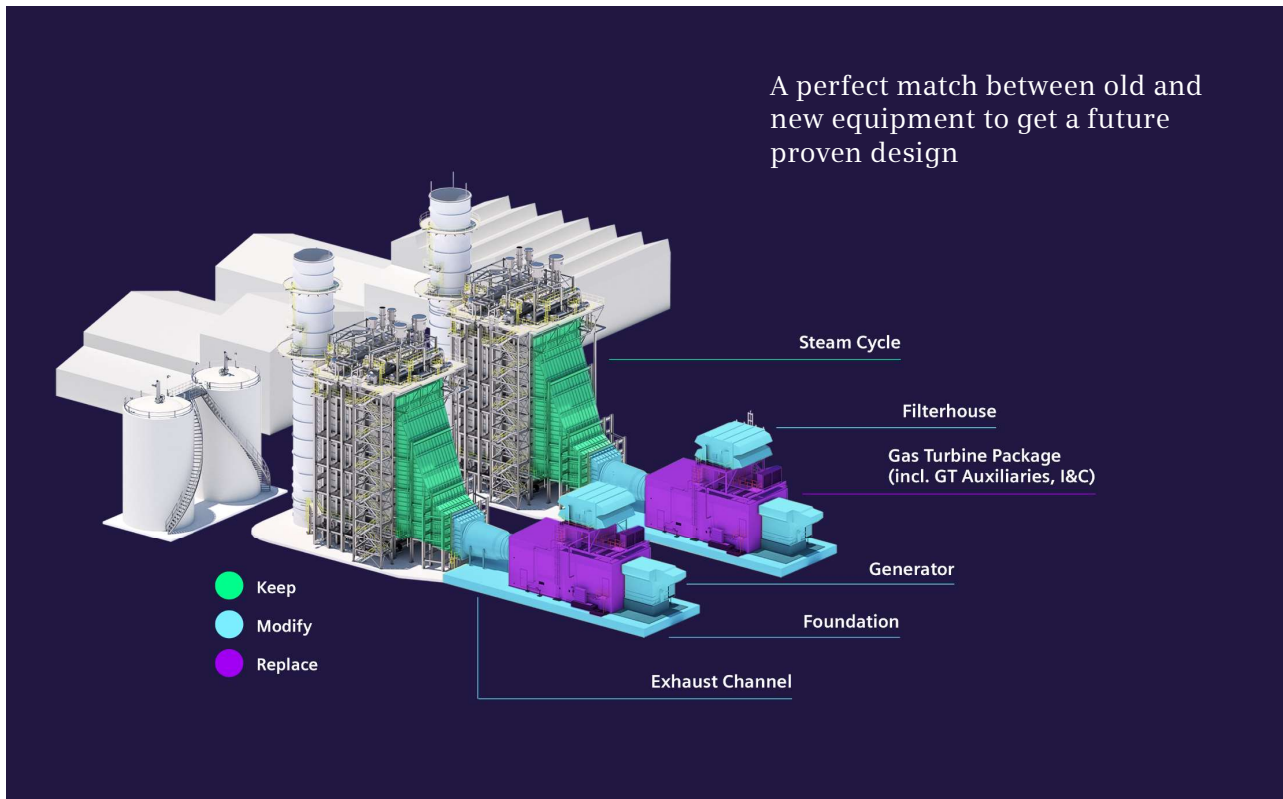
By undertaking a BEX you can see minimum amount of modification work to the balance of plant while meeting your demands in a more flexible and cost effect manner.

## Fleet Applicability

This new service is targeting following oOEM fleet

- GE Fr6B.03
- GE Fr5
- GE LM6000
- GE LM5000
- GE LM2500
- Westinghouse W251
- Ansaldo Energia V64.3.

In general, it is applicable for all oOEM units, where customer requirements can be met.



## Product Overview

BEX is Siemens Energy's "Plug and Play" concept for replacement of existing gas turbines with brand-new Siemens Energy units. The key principles behind this newly launched Service are as follows:

- keep existing steam cycle as is.
- Filter house, exhaust channel, foundation and generator will be modified, if needed, to fit a new gas turbine package (GT incl. auxiliary systems and I&C).
- The scope will be customized in each unique opportunity to give the customer the best value proposition possible

## Benefits

While it needs to be verified and quantified on case by case basis, the key benefits associated with this new service are as follows:

- Improved efficiency
- Increased power output
- Significant savings on fuel cost and reduction of CO<sub>2</sub> footprint
- Reduced emission
- Fuel flexibility with DLE technology and high focus on renewables
- Quick start and cyclic capability
- Great possibility to optimize and prolong TBO by selling and implementing Flex LTP and dynamic lifing.

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Siemens Energy AB  
Industrial Applications  
Slottsvagen 2-6, 612 31 Finspong, Sweden  
For more information, please contact  
Web: [siemens-energy.com](https://www.siemens-energy.com)  
Customer Support Center: Germany: +49 180 524 70 00  
E-Mail: [support@siemens-energy.com](mailto:support@siemens-energy.com)  
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