

**SIEMENS**  
energy

# RentASim

Cloud-based Power Plant Simulator Service



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# RentASim

## Cloud-based Power Plant Simulator Service

### Problem.

Operating a power plant successfully demands well trained operating and maintenance personnel.

Whether new personnel need to quickly become part of the team, or operator know-how requires enhancement to improve equipment efficiency and mitigate risks – both usually requires time-consuming training at an external training facility.

### Our solution.

#### Online power plant simulator Service – RentASim

Our innovative, remotely operated power plant simulators enable power plant personnel to remotely access Siemens Energy' training center simulators from anywhere at any time, 24 / 7. All you need is a standard PC with an Internet connection. These simulators can be used for on-site self-learning, coaching sessions or remote instructor (RIS) training. The available operating scenarios cover the complete range from beginners to experienced operating plant personnel.

Siemens Energy remote simulators provide realistic access to heavy-duty gas turbines and steam turbines in simple cycle and combined cycle-power plant configurations.

You can select the best fit for your plant from a variety of simulated power plant configurations available.

### Your benefits.

#### Access

RentASim allows 24 / 7 access to SPPAT3000 control-system power plant simulators from anywhere in the world, at any time.

#### Flexibility

Sessions can be worked through from any comfortable, convenient location whenever daily schedules allow it.

#### Cost-effective

RentASim can provide rapid knowledge improvement at an affordable price (i.e. travel expenses and costs for trainers and living accommodations are eliminated).

The scope of RentASim can be extended if additional requirements or operating scenarios are needed. RentASim offers flexible contracts ranging from five days up to one year or longer.



## Concept of RentASim.

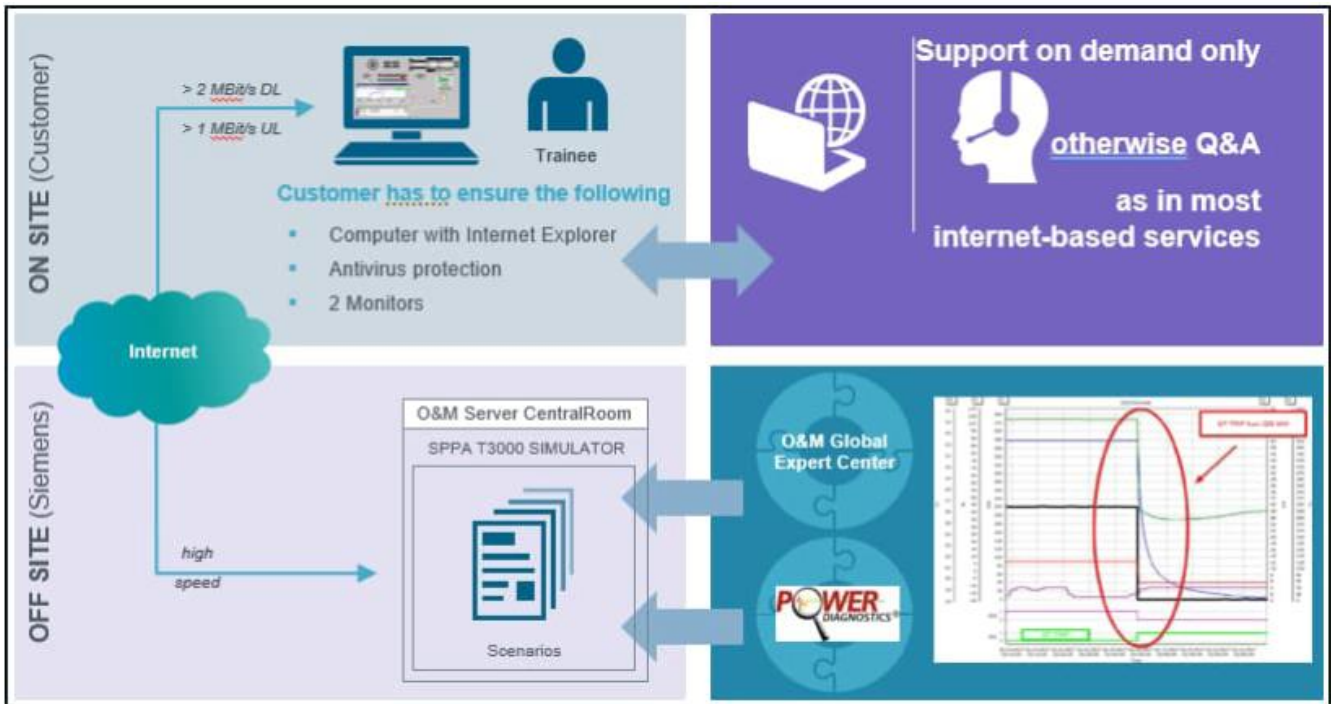


Figure 1 Concept of RentASim

### Variety

RentASim offers scenarios at three different levels:

1. **Normal operating scenarios** such as power plant startup and shutdown
2. **Advanced-level operations** with abnormal scenarios such as offline compressor wash, or various pump tests
3. **Malfunction scenarios** such as protection shutdown events, operational restrictions and trips

### Reliability

Scenarios are updated continuously based on feedback from Siemens Energy' worldwide power plant fleet. These include data and use cases from the Siemens Energy O&M Global Expert Center and the Siemens Energy' Power Diagnostics Center (PDC). Various scenarios enable adjustment based on the trainees' stated expertise. Restart options help reinforce the learning effect.

## About us.

The Siemens Energy O&M Training Center offers a comprehensive portfolio of training, and has provided hundreds of training courses in Germany as well as on site at our customers' power plants.

Our training portfolio covers a broad range of scenarios and technical topics. This can help bolster a power plant's operating efficiency and profitability by reducing downtimes and risks.

Siemens Energy Operation & Maintenance operates power plants on behalf of our customers – our O&M fleet experience is based on more than 60 contracts on five continents over the past two decades.

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