



Solution:
HPE ProLiant
Gen11 Servers

Industry:
Renewable energy
equipment
manufacturing

Country:
Netherlands

Going green faster with high-performance compute

“Our new equipment has transformed our organizational culture. We run many more simulations and can test far more ideas than previously. We can tackle complex problems, and I expect we’ll see even tougher challenges in the coming years . . . if our product takes off, it’ll mean clean hydrogen for everyone, bringing humanity closer to solving the climate crisis.”

– **Saeid Khalafvand**, Multiphysics Group Manager, Battolyser Systems



Clean energy is advancing quickly, and Battolyser Systems relies on computational modeling to accelerate product development. But resource constraints caused simulations to take weeks, preventing rapid iteration. Together with Hewlett Packard Enterprise and Ansys, they built a high-power computing deployment, including an HPE ProLiant Gen11 Server. Now, they run more simulations and test far more ideas than before, getting closer to a clean energy solution.

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Objectives

- Accelerate product development
- Reduce queues and bottlenecks
- Find a partner with shared values and sustainable solutions

Requirements

- Increase computing power to run more experiments
- Data flow optimization
- Improve flexibility

Solution

- HPE ProLiant Gen11 Server

Outcomes

- New high-performance compute is 20x faster
- Improved cost efficiency
- More accurate results
- Improved scalability
- Increased storage



Additional resources

- [Blogs](#)