

# GREEN MOUNTAIN CASE STUDIES

## February - March 2019

### 1. Green Mountain Stavanger (Norway)

- Equipment on site for a total power of 2,8 MW
  - 138 x 21 kW load banks with redundancy (power lane A and B)

#### Main achievements

- Assistance on-site to set / adjust the load
- Test of 5 rooms in parallel (4 small rooms of 100 KW each + one big hall with 6 pods of 400 KW each)
- A project resumed in 7 days, finishing 2 days earlier than anticipated



Info	Value
Nominal Power	<b>21k W</b>
Max voltage	<b>3 x 230 V Mono – 50 Hz 400V Triphase – 50 Hz</b>
Resolution	<b>1 kW</b>
Steps	<b>9 steps : ( 1 / 2 / 4 kW ) x 3</b>
Power Supplies	<b>2 redundant inputs (3 x mono 32A Hypra P17)</b>
Average Delta T°	<b>Depending on the load. 35K at full power</b>
Air Flow	<b>4 x 375 m3/h</b>
Ventilation	<b>Forced horizontal</b>
Security	<b>4 circuit breakers on front panel Temperature indicator light</b>

#### Testimonial of Eirik Øygarden - Operation Technician at Green Mountain Stavanger

*“Green Mountain rented 138 x 21kW floor standing heat loads for Level 5 commissioning in a recent project. The 21kW heat load units enabled Green Mountain to simulate an environment close to Tenants IT load scheme by distributing the heat loads in the hot aisle containments in specific positions. Heat loads were equipped with automatic transfer switches, dual supply and incremental load setup, enabling Green Mountain to conduct testing on various load schemes and test load transfer between power trains.*”

*Green Mountain was very pleased with the performance of the equipment and the support from Rentaload’s personnel. These test phases are critical in the commissioning process and we are truly dependent on the heat loads to ensure secure and efficient testing. I have no hesitation recommending Rentaload to other companies with similar needs.”*