



**UPS CP100i**  
Training at LCM Offshore and  
Marine - Trondheim



### **Welcome to Siemens Energy AS**

We welcome you to our UPS training in Trondheim. To ensure that our customers take full advantage of their UPS systems and contribute to safe operation of the rig, Siemens Energy has developed courses on how to operate, maintenance and repair our CP100i installations.

### **Arrival**

Register at our reception (building 2) at 09:00 when you arrive for the training.

### **Siemens Energy AS**

Bratsbergveien 5  
7073 TRONDHEIM

### **Travel**

Siemens Energy LCM Training Center is in Trondheim, Norway about 30 minutes from the airport (Trondheim lufthavn Værnes).

### **Hotels**

All hotels in Trondheim city centre will be close to Siemens Energy (about 10 minutes with taxi). The closest hotel is Scandic Lerkendal (about 15 minutes walk).

### **Lunch**

Lunch and coffebreakes are included in the course fee.

### **Course description**

**Duration:** 2 days

**Language:** Norwegian and English

**Target group:** All personel involved in operation, service, and maintenance of CP100i systems.

The course provides a thorough introduction to the core components of the UPS system, including operation, maintenance, and repair.

### **Main topics**

#### **System Design:**

Design of the CP100i UPS and interconnection with rig systems

#### **Documentation:**

Drawings, reference system, functionality, and other essential documents

#### **System components:**

Detailed description and knowledge about system components like rectifier, inverter, and static bypass and components they are made of.

#### **HMI:**

Functionality and troubleshooting

#### **Procedures:**

For safe operation of UPS systemes we practice on correct use of relevant UPS procedures.

## Schedule:

### Day 1

- Introduction
- Technology, construction, and philosophy
- Lunch
- HMI, menu system and principles for operation
- Circuit diagrams

### Day 2

- Procedures / operating the UPS
- Lunch
- Operation and troubleshooting
- Q & A, Summary and Evaluation



### Instructors

The courses are hosted by experienced service- and commissioning engineers. All engineers are working exclusively with UPS systems and have experience both from theory and from several years in the field working with commissioning, maintenance, troubleshooting and repairing of Siemens Energy UPS systems.

*“Since 1978 Siemens Energy OMC has delivered UPS systems specially designed for offshore operation in Norway.”*

**Siemens Energy AS**

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