GRID-202 FOUNDATION COURSE

Electricity Flexibility and Demand-Response Fundamentals

Understand how flexible demand, storage and generation support modern power systems. This course introduces flexibility, demand response, aggregation, balancing and local network constraints. Learners explore how industrial loads, batteries, generation and controllable assets may create operational or commercial value.

LEVEL	FORMAT	GUIDED LEARNING	STANDARD FEE
Foundation	Live online	5-5.5 guided hours	£595 + VAT where applicable

FOUNDING FEE	ASSESSMENT	CERTIFICATE	CORPORATE DELIVERY
£495 + VAT where applicable	80% pass + practical task	Uniquely numbered Foundation Certificate	From £4,500

Learning outcomes

- Explain why power systems need flexibility
- Identify potentially flexible assets and loads
- Understand basic participation and aggregation models
- Recognise operational, contractual and measurement constraints
- Compare flexibility options at a foundation level
- Prepare an initial flexibility-opportunity map

Course modules

1. **Electricity-system balancing and constraints**
2. **Demand response, storage and flexible generation**
3. **Aggregation and participation routes**
4. **Operational, data and commercial considerations**
5. **Practical workshop: map a flexibility opportunity**

PRACTICAL OUTPUT

Flexibility Opportunity Map

WHO SHOULD ATTEND

Energy managers and large energy users; Utilities, retailers and aggregators; BESS and renewable professionals; Analysts and consultants; Local authorities and energy-community personnel.

PREREQUISITES

No electricity-market or engineering qualification is required. Basic energy-sector awareness is recommended.

ASSESSMENT

Knowledge assessment plus the practical output. Learners must achieve the 80% pass standard and meet attendance requirements. One free resit is included.

COURSE SCOPE

This is a foundation programme. It develops awareness, structured review skills and practical readiness. It does not certify technical competence, regulatory compliance, legal sufficiency or professional authorisation.

Register your interest - no payment is required

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