

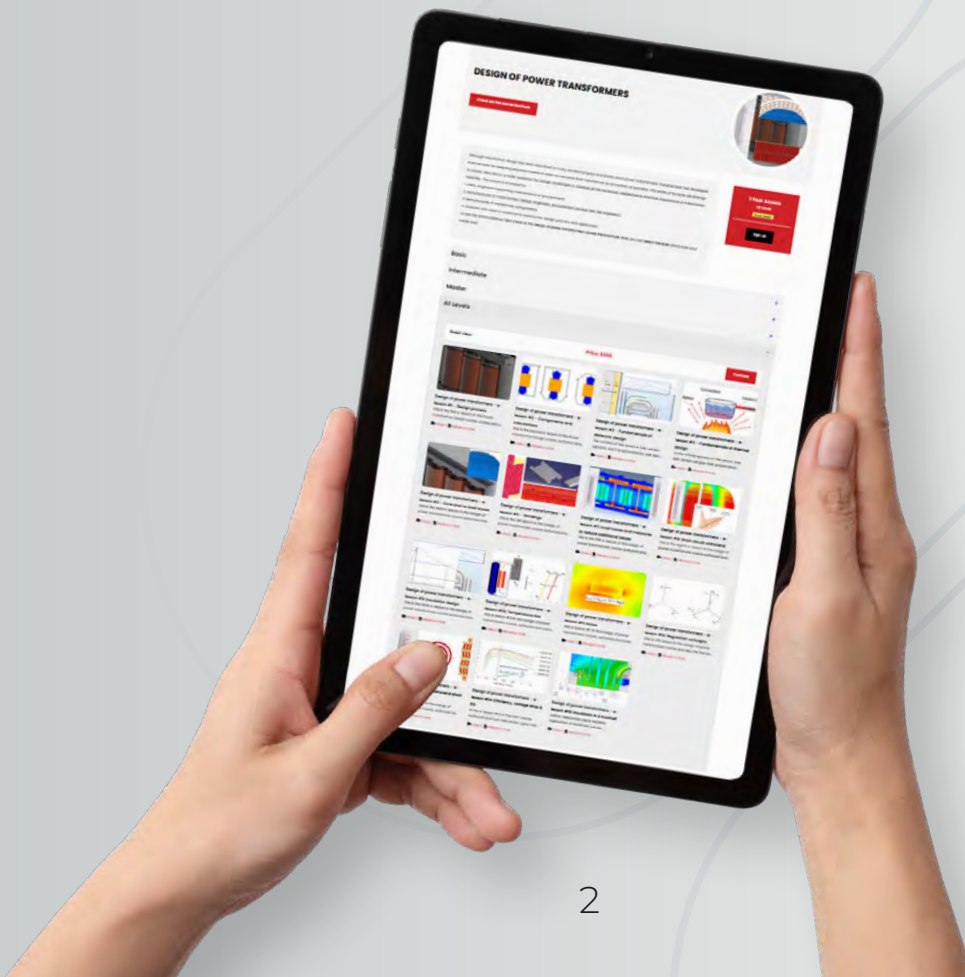
TRANSFORMER ACADEMY

Your online platform for **professional development**
in the transformer industry

DIPLOMA PROGRAMMES

Transformer Academy (TA), as the leading e-learning entity in the transformer industry, offers a variety of diploma programmes suitable for professionals across all roles and functions in transformer manufacturing companies, in companies that supply materials, components, and equipment, in utilities, laboratories, consulting and engineering firms, etc.

Combining multiple courses into a package, these **diploma programmes represent the most advanced form of education at TA** and serve to provide the attendees with comprehensive knowledge, as well as to certify them within the chosen field.



AVAILABLE

DIPLOMA PROGRAMMES



TRANSFORMER ENGINEERING

- 85 HOURS
- ALL LEVELS
- 6 COURSES



MANAGEMENT IN TRANSFORMERS

- 78 HOURS
- ALL LEVELS
- 6 COURSES



TRANSFORMER ASSET MANAGEMENT

- 65 HOURS
- ALL LEVELS
- 6 COURSES



TRANSFORMER RELIABILITY

- 84 HOURS
- ALL LEVELS
- 6 COURSES



TRANSFORMER ESSENTIALS

- 34 HOURS
- ONLY BASIC LEVEL
- 15 COURSES

TRANSFORMER

ENGINEERING

85 HOURS

6 COURSES

ALL LEVELS

22 LESSONS

Design of distribution transformers

15 LESSONS

Design of power transformers

20 LESSONS

Transformer testing

7 LESSONS

Partial discharge measurement for power transformers

13 LESSONS

Transformer condition assessment

8 LESSONS

On-load tap changers

This diploma programme provides a **comprehensive education on engineering topics**. As such, it is suitable for engineers and technicians in:

- Design
- Quality
- Manufacturing
- Testing
- Commissioning
- Diagnostics
- Monitoring
- Asset management, etc.

This programme is enhancing tool for employees in other roles as well, namely sales and marketing people, supply chain personnel, company managers, etc.

78 HOURS

6 COURSES

ALL LEVELS

4 LESSONS

Strategic sourcing for power transformers

10 LESSONS

Transformer specifications

7 LESSONS

Introduction to transformers

22 LESSONS

Design of distribution transformers

15 LESSONS

Design of power transformers

20 LESSONS

Transformer testing

MANAGEMENT

IN TRANSFORMERS

This diploma programme provides an **all-inclusive training on managerial topics** and includes technical programmes that will additionally help managers excel in the transformer industry. It is suitable for:

- company management
- sales and marketing staff
- supply chain personnel, etc.

This programme is an enhancement tool for management-oriented employees in design, quality, manufacturing, testing, commissioning, diagnostics, monitoring, asset management, etc.

The Strategic sourcing course and the Contract management in the transformers industry course are available on Basic and Intermediate level.

TRANSFORMER

ASSET MANAGEMENT

65 HOURS

6 COURSES

ALL LEVELS

20 LESSONS

Transformer testing

13 LESSONS

Transformer
condition assessment

7 LESSONS

Partial discharge
measurement for
power transformers

14 LESSONS

Dissolved gas analysis

3 LESSONS

Online moisture
in transformer
monitoring and
management

8 LESSONS

On-load tap changers

This diploma programme provides a **detailed education on asset management** topics. It is suitable for:

- engineers and technicians in asset management
- testing, diagnostics, monitoring, design, quality, manufacturing, commissioning, etc.

The programme can serve to level up the competencies of other profiles of employees, such as sales and marketing people, company managers, supply chain personnel, etc.

TRANSFORMER

RELIABILITY**84** HOURS**6** COURSES**ALL LEVELS****10** LESSONSTransformer
specification**4** LESSONSStrategic sourcing
for power transformers**15** LESSONSDesign of power
transformers**22** LESSONSDesign of distribution
transformers**20** LESSONS

Transformer testing

13 LESSONSTransformer condition
assessment

This diploma programme provides a **detailed education on asset management** topics. It is suitable for:

- engineers and technicians in asset management
- testing, diagnostics, monitoring, design, quality, manufacturing, commissioning, etc.

The programme can serve to level-up the competencies of other profiles of employees, such as sales and marketing people, company managers, supply chain personnel, etc.

TRANSFORMER

ESSENTIALS

This **diploma programme** is a perfect choice for:

- employees with less experience in the transformer industry
- for non-technical personnel with more experience (technicians and engineers who are starting out, sales and marketing people, human resources personnel, mechanical and chemical engineers, etc.).

The programme provides versatile and effective learning opportunities on essential technical and managerial topics. The content is delivered on such a level as to ensure that students get a solid insight into the matter. With a wide range of courses, the programme can be easily customised to the core competencies of your employees in technical and managerial positions.

34 HOURS

14 COURSES

BASIC LEVEL ONLY

**TESTING/CONDITION
ASSESSMENT**

2 LESSONS
Dissolved gas analysis
(DGA)

13 LESSONS
Transformer
condition
assessment

3 LESSONS
Online moisture
in transformer
monitoring and
management

2 LESSONS
PD measurement
for power transformers

3 LESSONS
Transformer testing

1 LESSON
On-load tap changers

MATERIALS

3 LESSONS
Transformer oil

2 LESSONS
Insulating liquids
testing

GENERAL

2 LESSONS
Transformer
specifications

1 LESSON
Strategic sourcing
for power
transformers

ENGINEERING

2 LESSONS
Introduction
to transformers

4 LESSONS
Design of
distribution
transformers

4 LESSONS
Design of power
transformers

4 LESSONS
Solid-state
transformers



Prof Stefan Tenbohlen

Partial discharge measurement for power transformers



Mario Salano

Design of distribution transformers



Balazs Sztari

Transformer testing



Marcos Ferreira

Transformer specifications



C.S. Narasimhan

Transformer oil



Juan Albiger

Transformer specifications



Marius Grisar

Dissolved gas analysis (DGA)



Jon Gisecke

Transformer condition assessment



Orlando Giraldo

Introduction to transformers



Dr Raka Levi

On-load tap changers



Niel Malan

Strategic sourcing for power transformers



Edis Osmanbasic

On-load tap changers



Robin Francis

Fundamentals of marketing



Dr Oleg Roizman

Online moisture in transformer monitoring and management



Michelle Peterson

Fundamentals of marketing



Aleksandar Lojpur

Design of power transformers

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DIPLOMA PROGRAMMES