



Topsoe Academy™ Damage Mechanisms: Causes and Prevention

LEARN TO EXTEND PLANT LIFETIME BY PREVENTING EQUIPMENT DEGRADATION

A Check & Trim™ course from Topsoe Academy™ for ammonia, hydrogen, methanol and syngas plants.

TOPSOE

Understanding how critical equipment is affected by aggressive components and operational failures can help you prevent damage and increase the lifetime of your plant.

This tailored course reviews critical factors that affect the lifetime of your equipment, the various damage mechanisms at work in your plant, and how to protect equipment and maximize the lifetime of your plant as whole. As with all Topsoe technical training, this course leverages our unique position as both catalyst supplier and technology licensor to give you efficiency-boosting insight you won't find anywhere else.



What does Damage Mechanisms: Causes and Prevention training cover?

A Topsoe Damage Mechanisms course can range from a brief appetizer session that helps you understand the fundamentals of plant damage mechanisms to an extensive course – including certification – on how, where and when these mechanisms arise and what you can do to prevent them.

Depending on which of our three levels you choose (see below), a course can give you:

- A walk-through of how different plant damage mechanisms influence the integrity of your plant
- Insight into how operational parameters can increase the risk of corrosion and damage to key equipment
- Recommendations on how to minimize or avoid the effects of damage mechanisms
- Understanding of instances where different operational parameters influence the selection of equipment materials
- Insight into how to evaluate the degree of damage and assess the remaining lifetime of key equipment

Topsoe Academy™

Topsoe Academy™ is devoted to helping ammonia, hydrogen, methanol and syngas plants improve their operations and profitability through insight into catalysts, processes, technologies and Topsoe technical services. For each training theme, different “levels” of training courses are available – from brief intro sessions to multi-day workshops with optional certification. This multi-level approach creates opportunities for modular learning, where you can design a tailor-made training program consisting of several courses, each taught at the level of your choice. All training is conducted by Topsoe experts and is tailored to suit the participants’ level of experience.

Consider pairing our other Check & Trim™ courses – Inspection Planning, Plant Assessment/Optimization or Steam Reformer Optimization – with this course to gain a more in-depth understanding of the science behind plant operation.

Certified by Topsoe™

A Topsoe certification is a formal recognition from Topsoe Academy™ that an individual has demonstrated a comprehension of and proficiency within a specific body of knowledge. Certification is optional and is achieved by completing the highest-level course under a given theme and then passing an examination.

Find out more

To learn more about our Inspection Planning course and other Topsoe training courses, email academy@topsoe.com or contact your local Topsoe sales representative.

Scope of training	Level 1	Level 2	Level 3
Duration	1 hour	3-4 hours	7-8 hours
Lecture	Yes	Yes	Yes
Individual exercises and discussions	No	Yes	Yes
Certification & examination (optional)	No	No	Yes

For more in-depth descriptions, please refer to our individual training sheets.

