

ZDHC Chemical Management Trainings & Supplier to Zero



Agenda

Chapter	Subject	Page
1	Prepare & Sharpen > ZDHC Chemical management trainings	
2	Report, Share, and Celebrate > Supplier to Zero	

Why would someone want to participate with Chemical Management Trainings ?

a) Driven by HR/Operations > company policy (Key focus Health & Safety, Corporate social responsibility)

b) savings, better management

c) help in certifications, company image

d) increases awareness levels, cross levels/cultural/organizational learnings, clarification of concepts etc.

Improve Scores : EMS Level2

8. Do employees at your facility responsible for environmental management have the technical competence required to do their job?

- ZDHC trainings
- Higg FEM trainings
- Trainings based on needs assessment



Improve Scores : Chemicals Level2

10. Does your facility train employees responsible for the chemical management system on Restricted Substance Lists (RSLs) and Manufacturing Restricted Substance Lists (MRSLs)?.

- ZDHC trainings
- Trainings based on needs assessment





An Integral Setup to Environmental Improvements



The Roadmap to Zero Programme

Developing guidelines and solutions for the industry



The ZDHC Academy

Building capacity of the value chains



The Implementation HUB

Scaling adoption and innovation

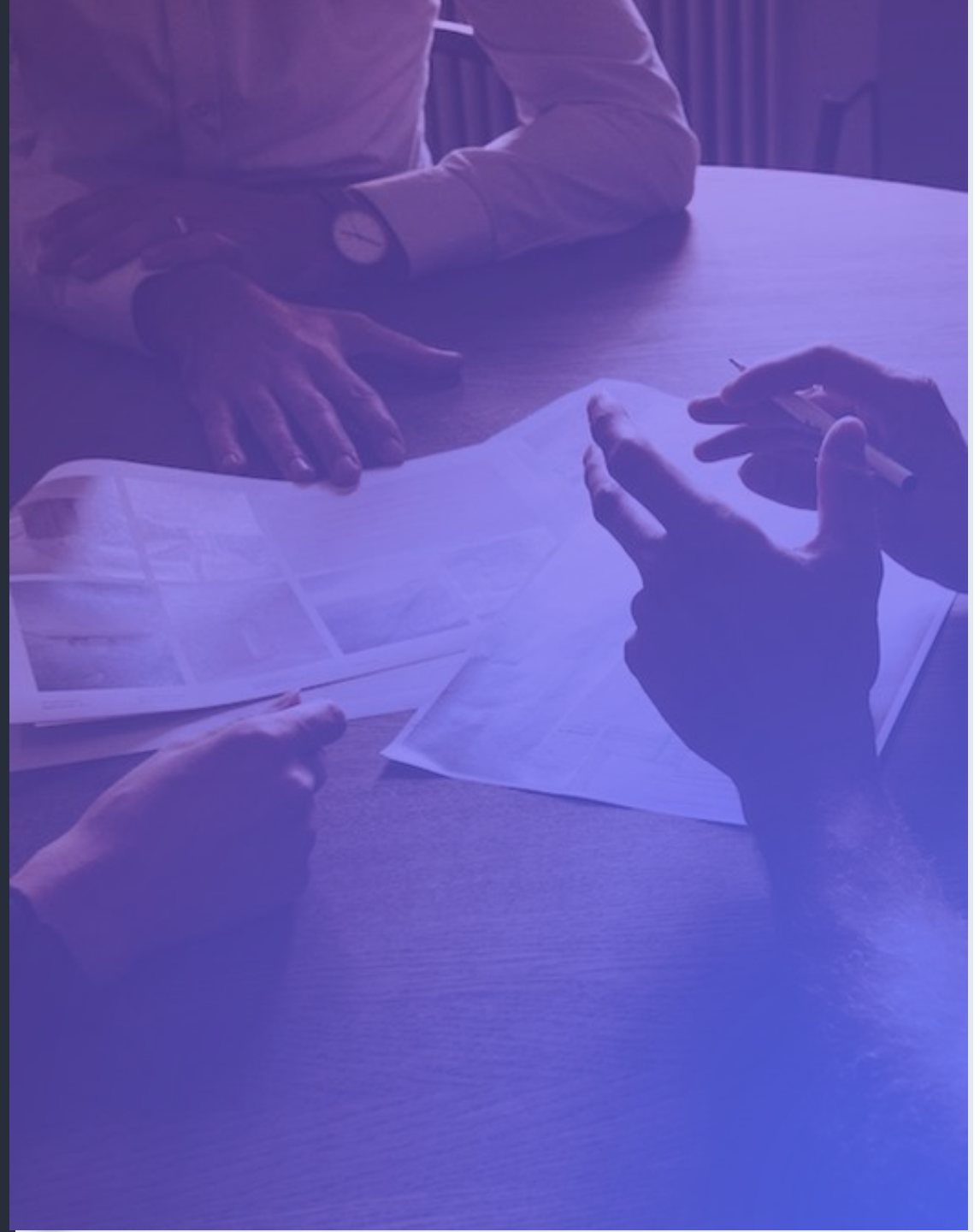


ACADEMY

By Ø ZDHC

ZDHC Academy walk through

2021



Create an account & log in



Welcome to the ZDHC Academy

The global, go-to training platform
for sustainable chemical management & ZDHC tools
for the textile, apparel, footwear, leather industry

When no account yet: Welcome to the ZDHC Academy

New user?

For access to the ZDHC Academy platform, please take a minute to create a new account.

How to create an account?

1. Fill out the new account form with your details.
2. After submitting the form an email will be sent to you email address.
3. Read the mail, and click on the web link it contains.
4. Your account will be confirmed.
5. You can now login with your username and password.

[Register here](#)

Already have a ZDHC Account?

[Login](#)

[Forgot your password?](#)

[Help](#)

<http://academy.roadmaptozero.com>

Scroll down to calender and select a training.

Choose your course

ZDHC Intro to Chemical Management

ZDHC Intro to Chemical Management for Leather Tanneries

ZDHC Top 10 Issues & Best Practices

ZDHC CMS TIG training

ZDHC Wastewater Management

ZDHC Intro to Chemical Management	ZDHC Intro to Chemical Management for Leather Tanneries	Top 10 Issues of Chemical Management	ZDHC CMS TIG Training	ZDHC Wastewater Management
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India			Ongoing			Online		
City	Date		City	Date		Language	Date	
Coimbatore	Jul 26 - 27	Q	Nimkartek	Dec 31	Q	eLearning + Interactive case studies	Jun 28 - 15	Q
Online	Aug 02 - 03	Q	online course starting daily until end December			Italian	Jul 07 - 08	Q
						Online	Jul 12 - 14	Q
						Online webinars & E-Learning	Jul 19 - 29	Q

[Contact Us](#) [Terms & Conditions](#) [Subscribe to Newsletter](#) [Glossary](#)

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[Help](#)

Register for a course

ZDHC CMS TIG Training 28.06.2021 in Online

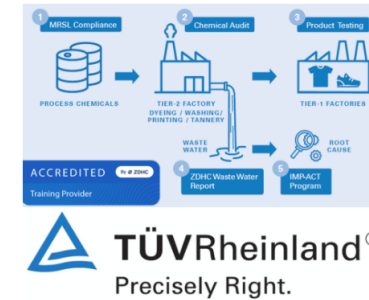
TÜV Rheinland

TÜV Rheinland is a global independent testing, inspections, certifications service provider. The Group's 19900 employees work across 500 locations in 69 countries with the guiding principle to achieve sustained development of safety and quality in order to meet the challenge arising from the interaction between human, technology and the environment symbolized by the points of our triangular logo.

The group engages with the fashion supply chain to enable their goals of being more sustainable via trainings, testing, assessments, and audits.

Further details here: www.tuv.com/detox

or email detox@tuv.com



📍 Location/City:	Online eLearning + Interactive case studies
📍 Address	Online/Global Asia & Europe timezone
📅 date:	28.06.2021
Course:	ZDHC CMS TIG Training
Language:	English
Cost:	EUR 285 + VAT

****Join this training to learn about****

- a) WHY? (Resource Efficiency, Addressing Environmental + Health & Safety Risks) > giz REMC
- b) WHAT? > ZDHC CMS (Chemical Management System)
- c) HOW? > ZDHC CMS TIG (Technical Industry Guide)
- d) Highlight your work > Implement processes based on learning learnings from these online workshops and link to the Progressive Level of the Supplier to Zero (StZ) Programme

Register for this session*

*Please note: you will only be eligible to attend the session upon payment to and approval of the training provider.

The ****content**** is prepared based on ZDHC Technical Industry Guide (TIG) and Resource Efficient Management of Chemicals (REMC) of GIZ.

There will be ****7 sessions**** in 7 days,

****Participation at ALL these sessions is mandatory to take part in the ZDHC TIG Exam. Contact us if you will not be able to participate at a session, so alternative arrangements can be made.****

Duration:

Check your booking



You have signed up for the following sessions

Course/Location	Date	Status	Exam-results
ZDHC wastewater & sludge sample collection training Online /			38%
ZDHC Update Sessions	01.10.2020	reserved	

Click on magnifying glass



1

Receive registration confirmation from training provider

2

Pay the training fee to the service provider

3

Payment confirmation opens up your training area

4

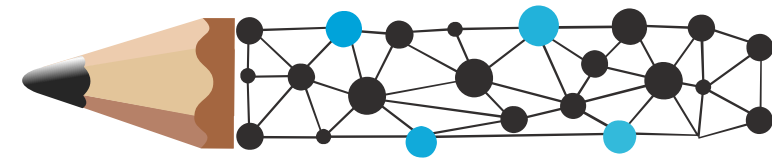
LET'S GO



Start your Pre Assessment!



Be your own stage manager



The examination of the ZDHC Exam will be between 35 and 40 questions depending on the topic.

2 attempts to pass exam (75% pass rate)

2 weeks to finish exam



T

Attend training

After the Pre Assessment you will attend the training session you selected (in person or online).

F

Feedback Survey

After the training you will fill in the feedback survey on the ZDHC Academy.

E

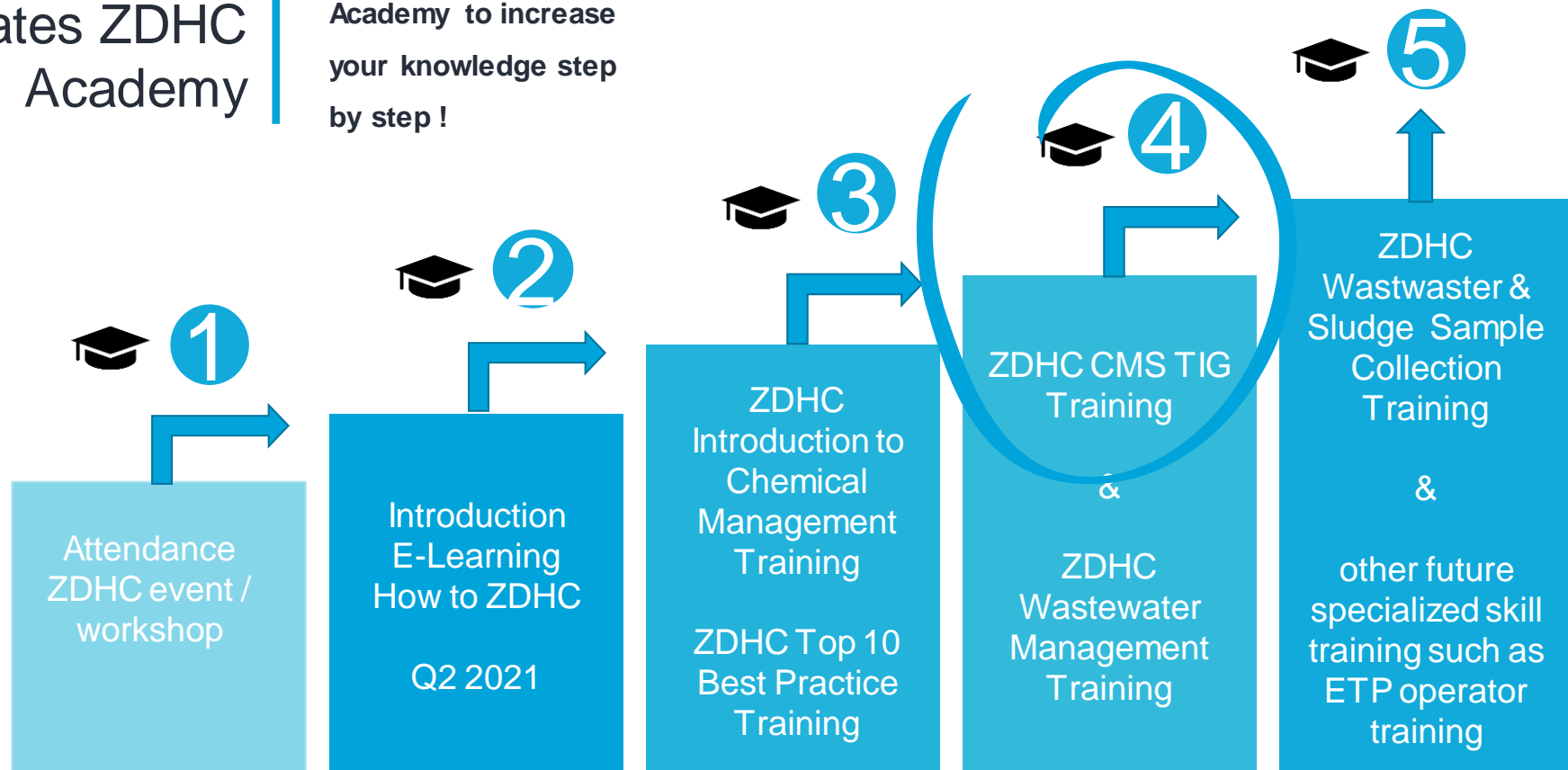
Exam

Your exam will open up after your filled in the Feedback Survey.
Good luck !



Training certificates ZDHC Academy

Walking the ZDHC Academy to increase your knowledge step by step!



NEW

NEW

**Awareness raising
2-4 hours**

**Basic Introduction
1 day**

**Advanced
1-2 days**

**Expert training
Depending on topic**

Training/Workshop Components



**eLearning
Self-paced**



Facilitated sessions



**Exercises
Case Studies**



**Watch Recording
+
Q&A with trainer**

Agenda

Chapter	Subject	Page
1	Prepare & Sharpen > ZDHC Chemical management trainings	
2	Report, Share, and Celebrate > Supplier to Zero	

Platform Features



Synchronised with
ZDHC Gateway
(single-sign on)



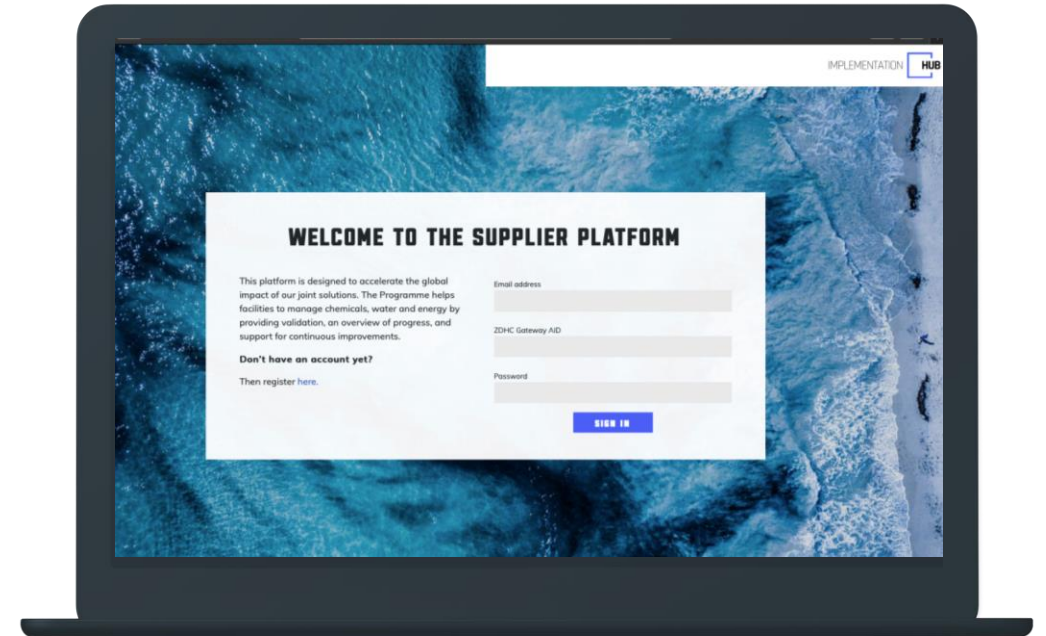
Content specific
to ZDHC
Gateway
Supplier Profile



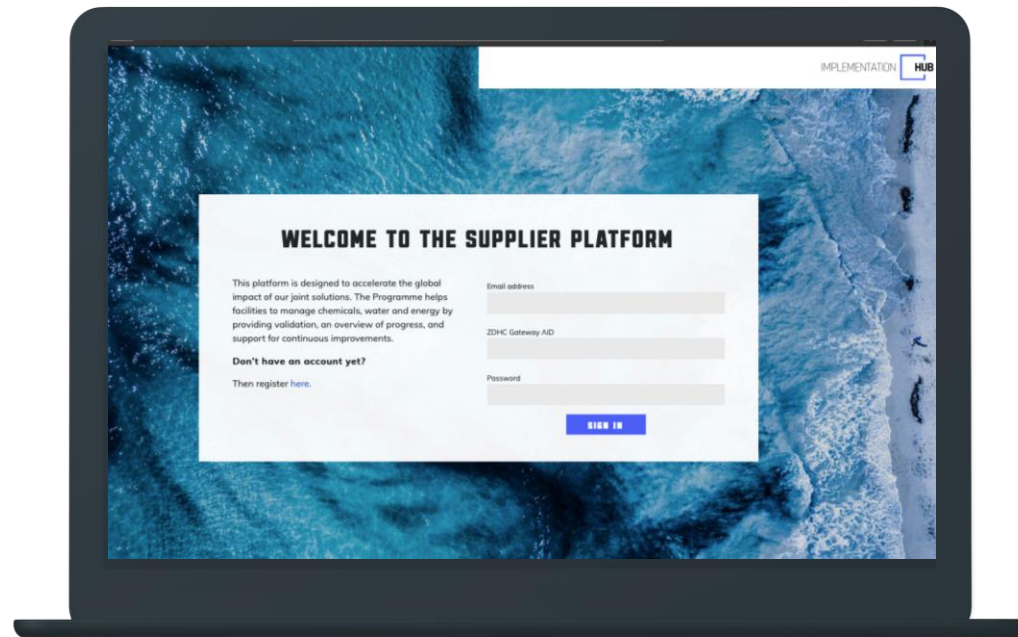
Evaluation
based on the
ZDHC CMS
Framework



Improvement
Guidance based on
BAT and Technical
Industry Guidance



»»» Future »»» Platform Features



Certificates will become visible in the ZDHC Gateway and detox.live



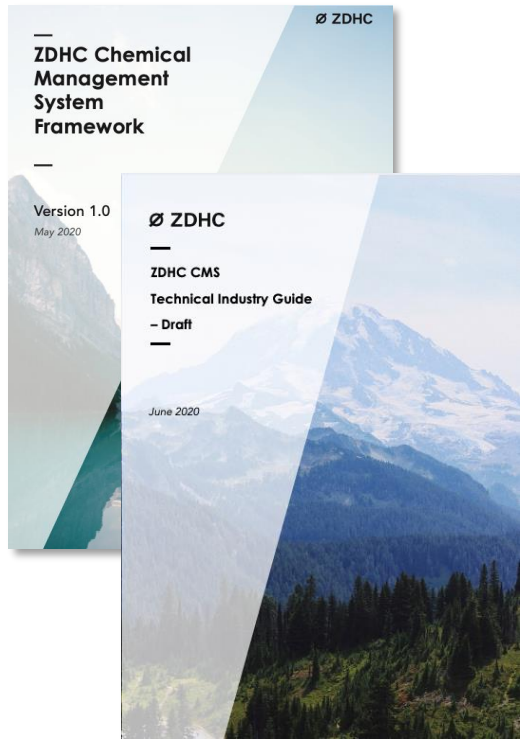
Further modules e.g. based on ZDHC Guidelines



Progressive and Aspirational Level of Supplier to Zero

Implementation Approach

ZDHC CMS FRAMEWORK & Technical Industry Guide



**ZDHC CMS Framework
and
ZDHC CMS Technical Industry Guide**



SUPPLIER
to Zero By ZDHC



Provides same structure as CMS Framework EXCEPT:

- **Assessments**
Diversified into 3 sub-chapters
- **Output Management**
Diversified into wastewater and sludge, air emissions and waste management
- **Training**
As stand-alone chapter
- **Resource Efficiency**
Addressing measures for general improvements

EVALUATION

Supplier to Zero - Foundational

CMS POLICY

CMS STRATEGY

GENERAL ASSESSMENTS

SUPPLY CHAIN ASSESSMENT

ALTERNATIVE ASSESSMENT

HEALTH & SAFETY

CHEMICAL INVENTORY

STORAGE & HANDLING

WASTEWATER & SLUDGE

AIR EMISSIONS

WASTE MANAGEMENT

PROCESS CONTROL

CONTINUOUS IMPROVEMENT

TRAINING

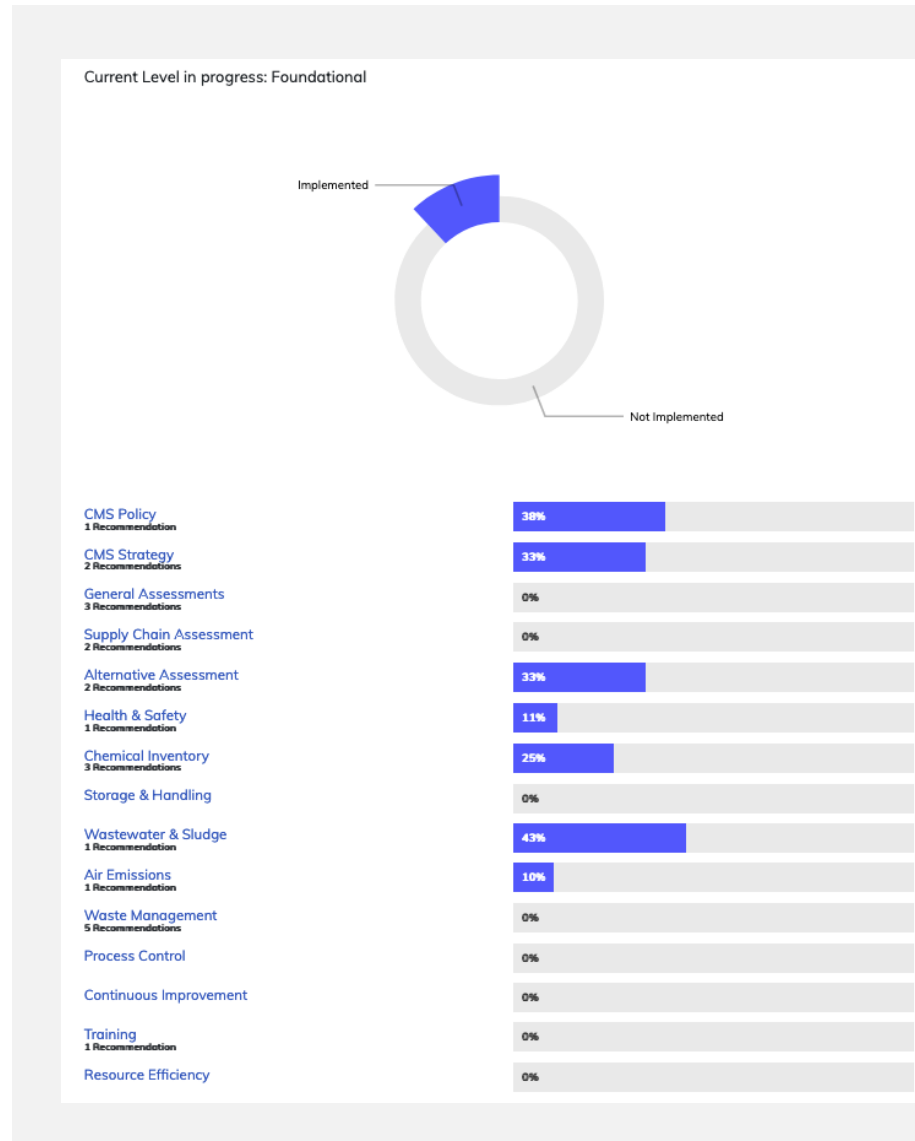
RESOURCE EFFICIENCY

1. CMS implementation – How are my suppliers doing?

2. How to provide access to TIG?

3. What are their training needs?

4. What is your roll-out strategy?



If you knew how all your suppliers were doing on CMS implementation individually – what would be your recommendation how each of them should improve?



The **Supplier to Zero** evaluation is based on the CMS Framework structure.

It supports them to identify and understand their individual implementation gaps.

It also provides them the guidance how to improve according to the CMS framework...

AND the Technical Industry Guide

1. CMS implementation – How are my suppliers doing?

2. How to provide access to TIG guidance?

3. What are their training needs?

4. What is your roll-out strategy?

Chemical Inventory

— Chemical Inventory

What should be in place

All chemicals being purchased, stored or used in a facility or its warehouse are listed, e.g. in a chemical inventory list

A Chemical Inventory List is a list of all chemicals and/or chemical products kept or used in the facility, in processes and tooling/operations. An organisation should have a robust process for creating and updating a CIL. The Chemical Inventory List (CIL) must contain at least the following information:

- 1) Name of Chemical, Chemical Formulator and Chemical Supplier
- 2) Quantity used/ in stock
- 3) Conformance with ZDHC MRSL
- 4) Availability of ZDHC MRSL 3rd party certificates
- 5) SDS information
- 6) Storage information (location, LOT number, Expiry Date)

Recommendation implemented?

To mark the recommendation implementation as completed, change your answer

[HERE](#)

How you can improve

Your recommendation

Document all chemicals that are purchased, stored or used in a facility or its warehouse chemical inventory list

Investment costs

no cost small moderate considerable

Implementation effort

minimum small medium expert needed

Payback

immediate short-term medium-term long-term

Explanation

A Chemical Inventory List (CIL) will assist your organisation with purchasing decision responsible chemical use, prevent pollution, increase traceability, simplify chemical decisions, and control disposal costs. For example, tracking chemical storage may in excess chemicals are available and thus prevent unnecessary purchases.

Chemical Inventory List (CIL) must contain at least the following information:

- 1) Name of Chemical, Chemical Formulator and Chemical Supplier
- 2) Quantity used/ in stock
- 3) Conformance with ZDHC MRSL
- 4) Availability of declarations or certificates
- 5) SDS information

If chemical information is missing, there must be a corrective action plan to obtain the chemical formulators. The information on the CIL will also help you to track your goal ZDHC MRSL Conformance.

Documents for your improvement


[ZDHC Chemical Inventory List \(CIL\)](#)

The Supplier to Zero Recommendations already provide the CMS Framework level guidance on how to improve.

Here, suppliers will also be provided the specific TIG guidance.

1. Checklists
2. How to implement minimum expectation and beyond
3. TIG templates

*Case studies will be provided with next mini-update as platform feature



Integration of the CMS Technical Industry Guidance

1. CMS implementation – How are my suppliers doing?

2. How to provide access to TIG?

3. What are their training needs?

4. What is your roll-out strategy?

Chemical Inventory
— Chemical Inventory

What should be in place

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- 5) SDS information
- 6) Storage information (location, LOT number, Expiry Date)

How you can improve

Your recommendation
Document all chemicals that are purchased, stored or used in a facility or its warehouse in a chemical inventory list

Investment costs



Implementation effort



Payback



Explanation

A Chemical Inventory List (CIL) will assist your organisation with purchasing decisions, promote responsible chemical use, prevent pollution, increase traceability, simplify chemical handling decisions, and control disposal costs. For example, tracking chemical storage may indicate that excess chemicals are available and thus prevent unnecessary purchases.

Chemical Inventory List (CIL) must contain at least the following information:

- 1) Name of Chemical, Chemical Formulator and Chemical Supplier
- 2) Quantity used/ in stock
- 3) Conformance with ZDHC MRSL
- 4) Availability of declarations or certificates
- 5) SDS information

If chemical information is missing, there must be a corrective action plan to obtain this data from chemical formulators. The information on the CIL will also help you to track your goal towards ZDHC MRSL Conformance.

Training needed? Have a look at our Academy training on CIL [HERE](#)



ACADEMY
By Ø ZDHC

Specific "CIL training" module

The Supplier to Zero Recommendations already provide the CMS Framework level guidance on how to improve.

Here, suppliers will also be provided the *specific TIG guidance*.

Hence, suppliers will look for training to better understand the TIG guidance provided.

Each Supplier to Zero Recommendation will link to a specific training module in order to provide suppliers the support they need to implement the TIG!



The THREE LEVELS

*Foundational
Progressive
Aspirational*



SUPPLIER
to Zero

By Ø ZDHC



3 Levels to Leadership

FOUNDATIONAL

HOW TO ZDHC

- Self-evaluation
- Guidance and Learning
- Self Declaration

June 2020

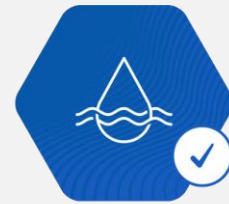
PROGRESSIVE

Implementation Performance



InCheck

By Ø ZDHC



ClearStream

By Ø ZDHC

Q1 2021

ASPIRATIONAL

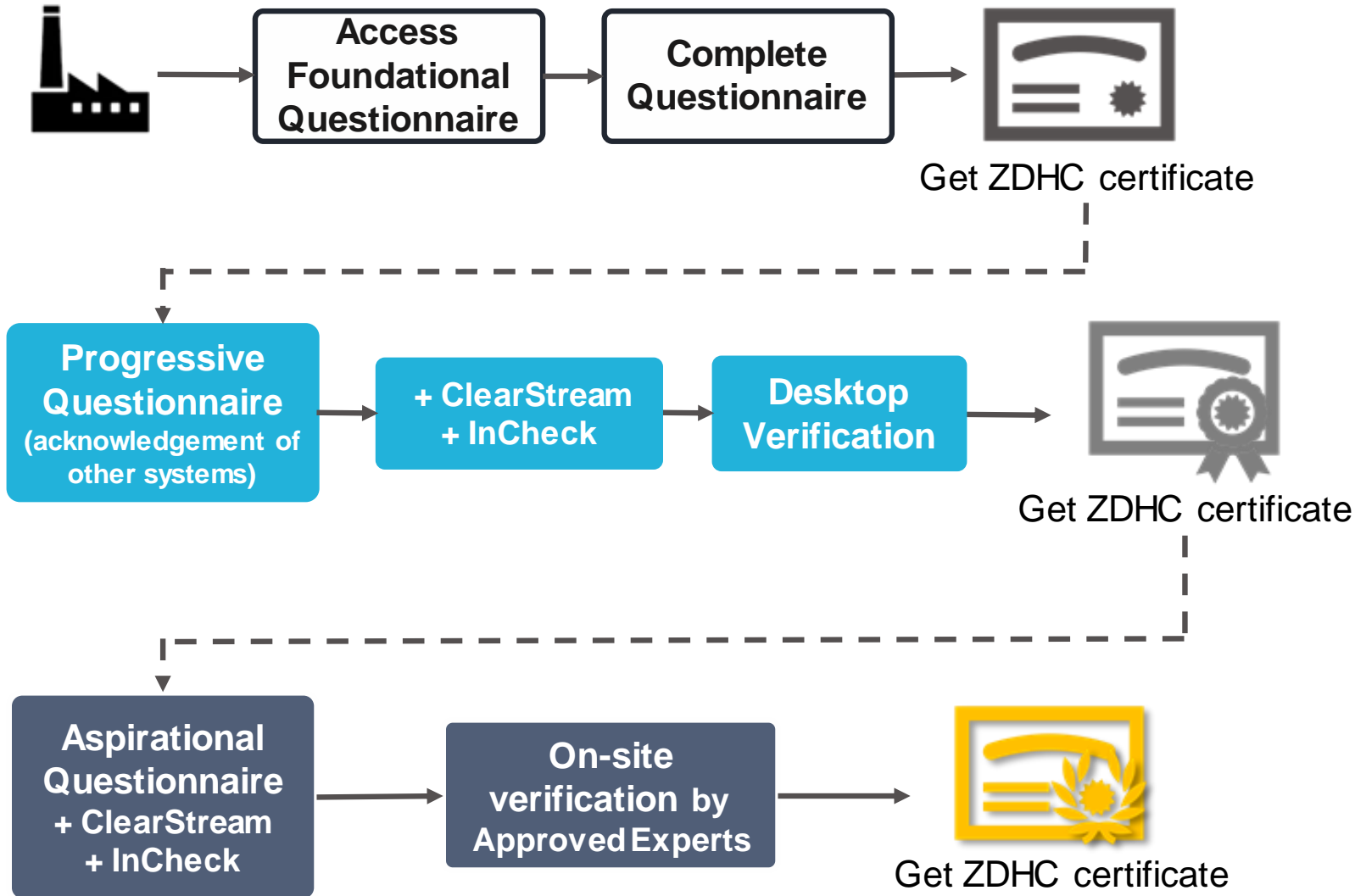
Leaders



- Leadership
- Implementation excellence
- Upstream implementation

Q2/Q3 2021

Process flow



ACCESS Principles

Supplier facilities that have access to the Gateway will have access to the Supplier to Zero platform *with the same login credentials*.

They can start working on the Foundational Level questionnaire and guidance for free – and will be offered to purchase the certificate when eligible.

Once they got a certificate, they can start working on the next level's questionnaire (once all are launched respectively).



SUPPLIER
to Zero By Ø ZDHC

FOUNDATIONAL

*The entry gate
- or -
How to ZDHC*



Streamlined implementation of the ZDHC Chemical Management System

By using the Foundational Level *SUPPLIERS* increase their awareness of and ability in both (1) ZDHC chemical management and (2) how to implement ZDHC solutions.

1. *Start the self-evaluation:*
Find out where you can improve and unlock respective ZDHC recommendations.
2. *Unlock ZDHC recommendations:*
Comprehensive 1-2-3 step guidance of how you can improve
3. *Show your strength:*
Gain visibility on the ZDHC DETOX.Live platform with the Supplier to Zero certificate

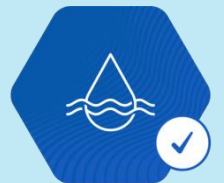
Desk-top review of CMS implementation related performance in Input, Process and Output!

- Based on the ZDHC Technical Industry Guide
- Relevant for Brand & 3rd party evaluation



InCheck

By Ø ZDHC



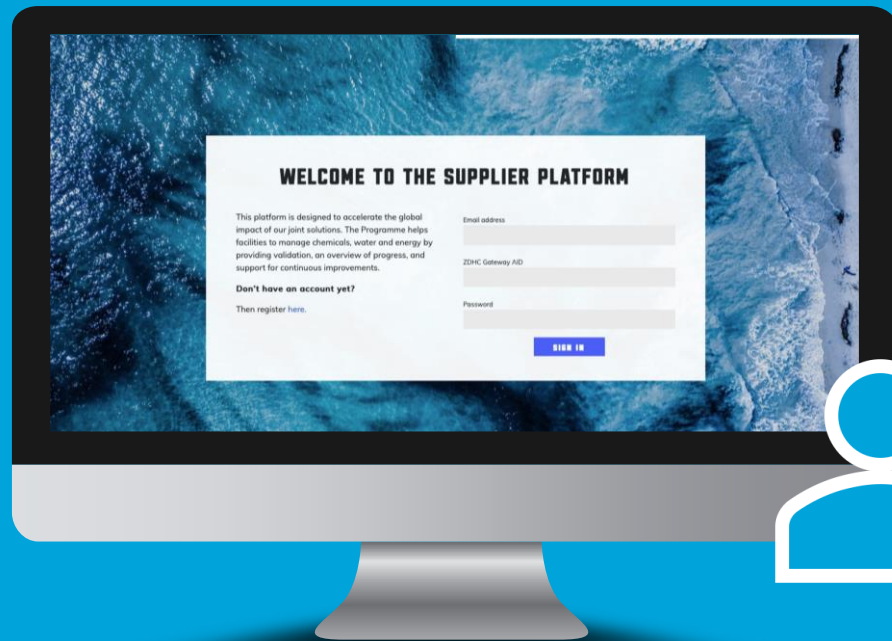
ClearStream

By Ø ZDHC

Aspirational

On-site verification (planned)

- Focus on demonstrating leadership in sustainable chemical management as a supplier



Get access to Supplier Platform

*Home of
Supplier to Zero*



SUPPLIER
to Zero

By Ø ZDHC

Who can have access?



Apparel



Fabrics



Footwear



Home textiles



Accessories



Trim - Composite



Trim - Single material



Home furnishing



Other Industry sectors

SUPPLIER TO ZERO can be accessed by any Supplier, meaning any kind of production facility of the apparel, textile, footwear and leather industries as well as those dealing with the same or similar materials and/or processes.

Examples:

- Ready-made-product facilities (e.g. CMT, footwear or accessories assembly)
- Dye-houses (e.g. piece dye, yarn dye, continuous dye, dope dye)
- Printers (e.g. placement, creen, roller, sublimation)
- Finishing units
- Tanneries (e.g. vertical, wet-end & finishing, beamhouses)

Who cannot use the platform?

Brands, importers / exporters / agents, laboratories, trainers, chemical companies,

Frequently asked:

- **Why is it applicable to tier-1 facilities?** – Two reasons: 1) Tier 1 facilities often use chemicals, e.g. for spot removal or finishing/ washing; 2) Supplier to Zero addresses the roll-out of the ZDHC CMS, also including what tier-1 facilities should know to build capacities with their supply chain partners as they are often intermediate among brands and tier-2 suppliers
- **How are Brands etc. supposed to monitor suppliers?** – Supplier to Zero is a platform for Supplier development, not monitoring. Brands learn e.g. from the ZDHC Gateway if Suppliers are registered and about their certificate status
- **How can 3rd parties involve their supplier facility customers?** – Encourage them to register on their own or contact the Implementation HUB to discuss a collaborative approach including benefits.

Supplier without ZDHC Gateway access

SUPPLIER TO ZERO can be accessed by any Supplier, meaning any kind of production facility of the apparel, textile, footwear and leather industries as well as those dealing with the same or similar materials and/or processes.

If a Supplier is connected with a ZDHC Brand or another Supplier who as already access to the ZDHC Gateway – these supply chain partners can invite the Supplier directly.

But there is also a way to get access to Supplier to Zero if not connected to any ZDHC Gateway user:

Fill in the ZDHC Gateway application form.
<https://bit.ly/GetGatewayAccess>



01

- Go to ZDHC Gateway.
- Set the Supplier Profile first



02

Go to Supplier to Zero
<http://supplier.roadmaptozero.com>
Login with your Gateway ID

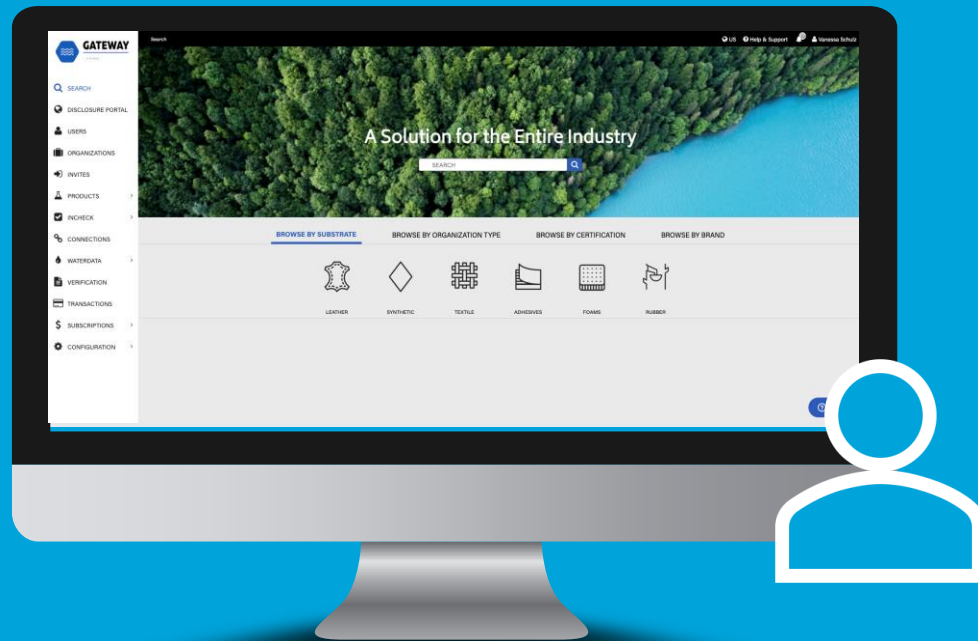


03

Start Supplier to Zero Foundational evaluation for free



04



The Supplier Profile on the Gateway

Why is it so important?

**Applicability
Wastewater
Guidelines
(Textile, Leather,
MMCF...)**



**Supplier to Zero
Connectivity**

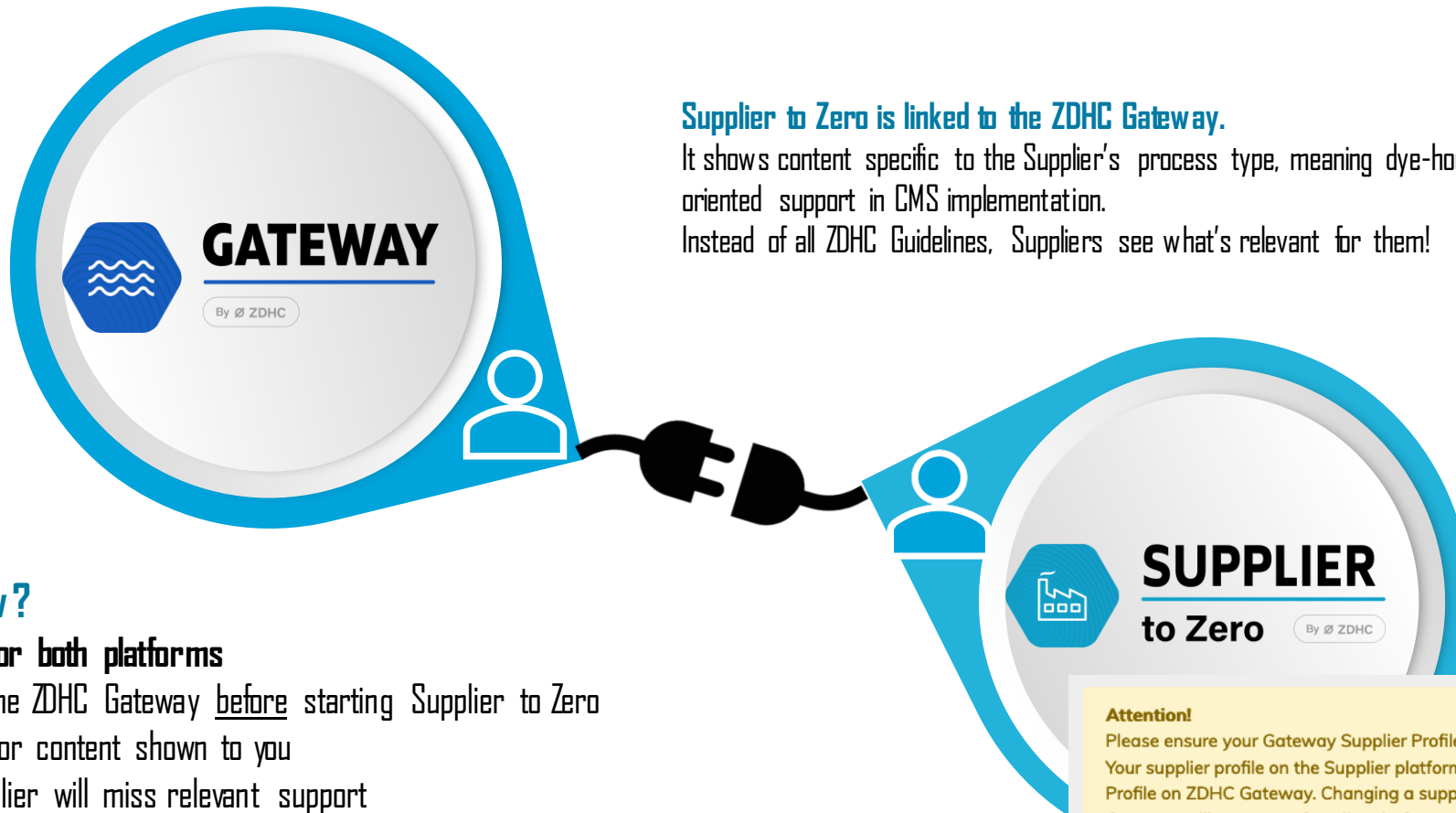
Link to
Open Apparel
Registry (OAR)

Useful information
for clients (Brands)

**What are the
BENEFITS FOR
SUPPLIERS
to correctly fill out
the Supplier
Profile on the
ZDHC Gateway ?**

**An accurate Supplier Profile is
essential to be able to benefit
from the complete ZDHC platform
environment**

Why is the Completion of the Supplier Profile so **important**?



Supplier to Zero is linked to the ZDHC Gateway.

It shows content specific to the Supplier's process type, meaning dye-houses receive specific dye-house oriented support in CMS implementation.

Instead of all ZDHC Guidelines, Suppliers see what's relevant for them!

What do I need to know?

- One Profile and login for both platforms
- Set Supplier Profile in the ZDHC Gateway before starting Supplier to Zero
- Profile creates a filter for content shown to you
- Incorrect profile – Supplier will miss relevant support
- Changing Supplier Profile later will reset your progress in the evaluation and may lead to loss of certificate

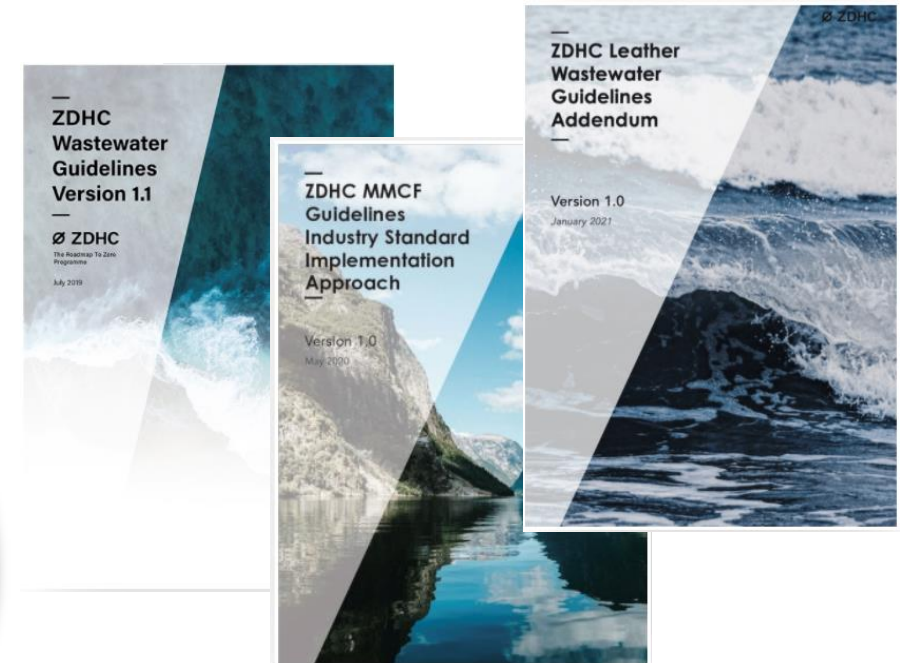
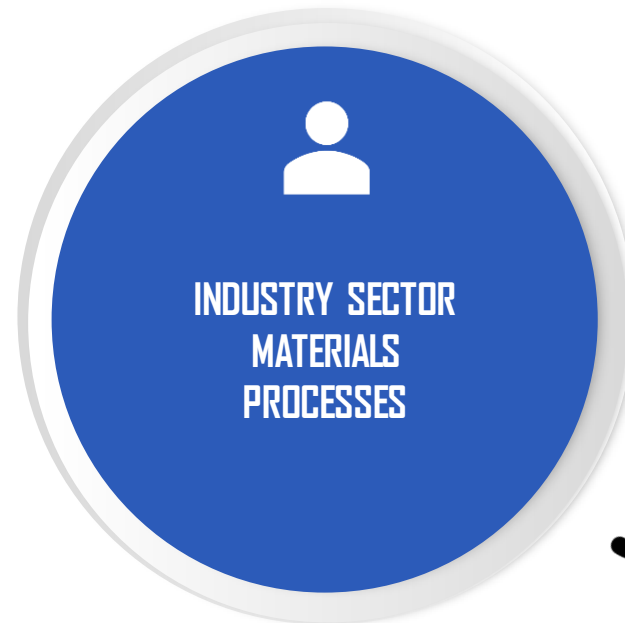
Attention!

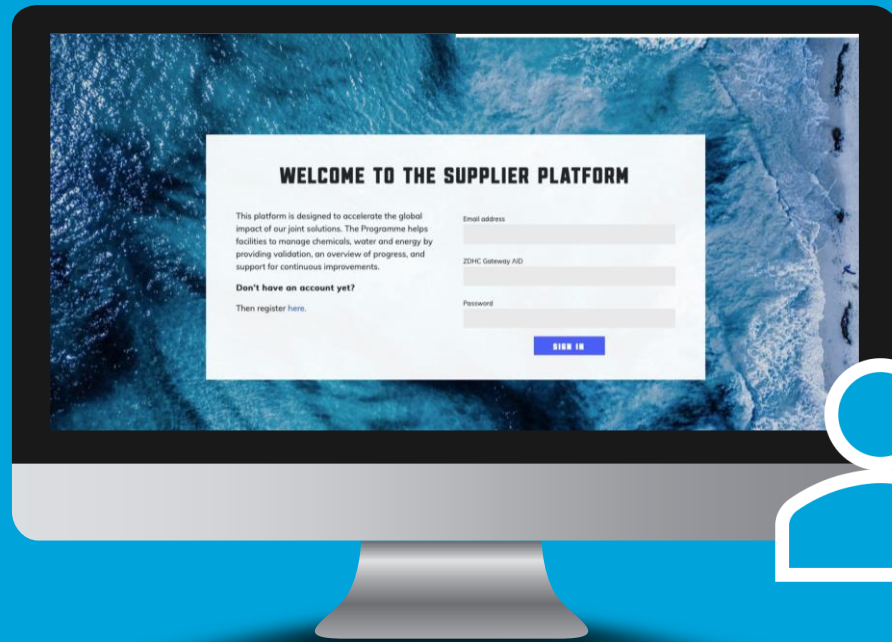
Please ensure your Gateway Supplier Profile is set before you continue! Your supplier profile on the Supplier platform is directly linked to the Supplier Profile on ZDHC Gateway. Changing a supplier profile on the ZDHC Gateway will reset your Supplier platform account, as applicable questions will change. Any Supplier to Zero certificate already received by your facility will no longer be valid and must be renewed.

Why is the Completion of the Supplier Profile so **important**?

1

- ✓ Applicability of WW Guideline is based on Supplier Profile
- ✓ Modular approach for Wastewater Guidelines to fairly assess suppliers wastewater performance





Operating Supplier to Zero

*Home of
Supplier to Zero*



SUPPLIER
to Zero

By Ø ZDHC

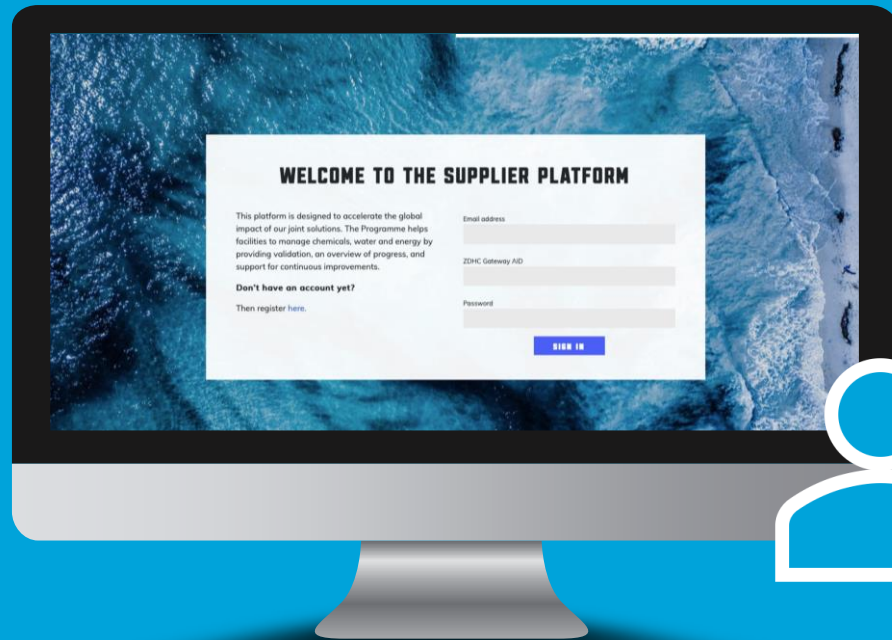
Operational steps: Overview

Supplier to Zero helps you to realise your potential. Identify areas of improvement in sustainable chemical management and reduce risks and costs associated with outdated practices. The ZDHC Recommendations provide a structured implementation plan for improvements with indicators for the required investment or effort and the expected payback time. The Foundational Level is based on the ZDHC Chemical Management Framework and comes with more than 150 hands-on industry standard and best-practice guidance sheets.



Publish Use Cases





Foundational Level and general principles

*Evaluation
Recommendation
Guidance
Improvement
+Use Cases*



SUPPLIER
to Zero By Ø ZDHC

WELCOME TO THE SUPPLIER PLATFORM

This platform is designed to accelerate the global impact of our joint solutions. The Programme helps facilities to manage chemicals, water and energy by providing validation, an overview of progress, and support for continuous improvements.

Don't have an account yet?

Then register [here](#).

Email address

ZDHC Gateway AID

Password

SIGN IN

General Orientation



The Platform Dashboard First page after login

IMPLEMENTATION HUB

SUPPLIER PLATFORM

- Dashboard
- Supplier to Zero**
 - Evaluation
 - Recommendations
 - Library
 - Certificates
- Use Cases
 - Public Use Cases
 - My Use Cases

We are here →

01

WELCOME TO THE SUPPLIER PLATFORM

The Supplier Platform enables you to evaluate your knowledge and implementation status against the industry best practices.

YOUR PROGRESS REPORT

This platform provides you with a comprehensive overview of your Supplier to Zero achievements and developments. Assess your chemical management practices and learn ways of how you can improve your individual processes. Get your recommendation to climb the performance ladder.

Don't know how to start?
Find our FAQ and tutorials on the ZDHC Knowledge Base:

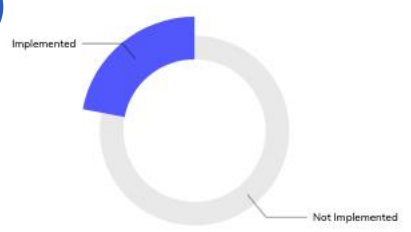
[ZDHC KNOWLEDGE BASE](#)

Have any feedback?
Find our feedback form to give your comments for future improvement:

[FEEDBACK FORM](#)

02

Current Level in progress: Foundational



[SUBMIT TO THE EVALUATION](#)

03

TEST ACCOUNT Test-Supplier_allprocesses1

04

- 01 SIDEBAR**
Lists the Supplier Platform Modules and their segments
- 02 WELCOME (next slide)**
Links to ZDHC Knowledgebase, certificates area, user feedback
- 03 MODULES' STATUS**
Shows status of supplier in all active modules and links to specific segments
- 04 HEADER**
Name of supplier, link to Gateway Profile, certificates area, invoices page & *change of language*

Links for your support



ACADEMY
By @ ZDHC



GATEWAY
By @ ZDHC

ROADMAP TO **ZERO**

The holistic Programme that supports the entire supply chain.

The Certificates Page One page for all modules

Certificates
— All Supplier Platform Modules

Welcome to the certificates page! To make it easier to share your accomplishments, your certificates are available in one place. Download the one you earned already and learn what else you can strive for to demonstrate implementation excellence!

IMPLEMENTATION HUB
SUPPLIER PLATFORM

Provides the modules to inform supplier improvements on the business case for sustainability. The benefit of a more sustainable future can only be achieved by joint effort.

Supplier to Zero Programme
— Your steps towards leadership

The ZDHC Supplier to Zero certificate demonstrates your understanding of mastering chemical management implementation. Be part of the group and distinguish from the others. You have completed the self-evaluation against criteria that are accepted by international stakeholders: brands, retailers, associations and suppliers just like you. Demonstrate to your customers, competitors and workers what you were able to achieve and that your efforts have been acknowledged. The ZDHC Supplier to Zero certificate is your own success story in chemical management.

Certificates Overview
— Download the one you earned already

# Certificate No.	Module	Kind of certificate	Date of issuance	Valid until
No invoices found				

SUPPLIER to Zero By ZDHC

FOUNDATIONAL

Certificate expires in **153 days**
Don't miss to refresh it or achieve the next level

SUPPLIER to Zero By ZDHC

PROGRESSIVE

Achieve this Level Certificate before the previous Level Certificate runs out of validity!

SUPPLIER to Zero By ZDHC

ASPIRATIONAL

COMING SOON!
Becomes available after previous Level Certificate is achieved

01 **SUPPLIER TO ZERO CERTIFICATE STATUS**

- Valid certificates are highlighted. They have a "validity countdown"
- Inactive certificates are mentioned, but are "greyed"

02 **CERTIFICATE OVERVIEW**
Shows all certificates – valid and past – of all Supplier Platform modules

Certificates Overview
— Download the one you earned already

# Certificate No.	Module	Kind of certificate	Date of issuance	Valid until
No invoices found				

Evaluation

01

Supplier to Zero Module page



IMPLEMENTATION **HUB**

SUPPLIER PLATFORM

- Dashboard
- Supplier to Zero**
- Evaluation
- Recommendations
- Library
- Certificates

Use Cases

- Public Use Cases
- My Use Cases

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We are here



SUPPLIER TO ZERO

— Position as an Industry Leader

This platform marks your entry point to take full ownership of your ZDHC Roadmap to Zero Programme implementation efforts.

The Supplier to Zero Programme involves three steps, equivalent to the well-known performance levels: Foundational - Progressive - Aspirational

The Foundational Level is based on the principles of the ZDHC Chemical Management System (CMS) framework and by concluding, you demonstrate your awareness of both ZDHC chemical management and how to implement ZDHC solutions.

Complete your self-evaluation specific to your facility type & processes, get practical implementation guidance for improvement measures and download your ZDHC certificate once you answered all questions.

02 • The module's introduction text

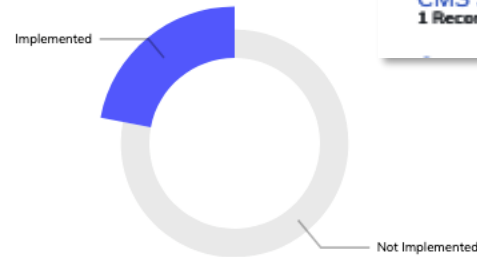
TEST ACCOUNT Test-Supplier_allprocesses1



01

- Same donut chart as in dashboard indicating overall completion progress
- Status of completion for each chapter
- Shows number of open Recommendations

Current Level in progress: Foundational



Alternative Assessment 2 Recommendations	33%
Health & Safety 1 Recommendation	33%
Chemical Inventory 3 Recommendations	25%
Storage & Handling	0%
Wastewater & Sludge 3 Recommendations	29%
Air Emissions 2 Recommendations	33%
Waste Management 4 Recommendations	17%
Process Control	0%
Continuous Improvement	0%
Training 1 Recommendation	0%
Resource Efficiency	18%

SUBMIT **TO THE EVALUATION**

Evaluation Start Supplier to Zero Programme

IMPLEMENTATION HUB

SUPPLIER PLATFORM

- Dashboard
- Supplier to Zero**
- Evaluation
- Recommendations
- Library
- Certificates
- Use Cases
 - Public Use Cases
 - My Use Cases

We are here



TEST ACCOUNT Test-Supplier_allprocesses1

EVALUATION

Supplier to Zero - Foundational

01 LEVEL indicator

CMS POLICY	02	<input checked="" type="checkbox"/>
CMS STRATEGY		<input checked="" type="checkbox"/>
GENERAL ASSESSMENTS		<input checked="" type="checkbox"/>
SUPPLY CHAIN ASSESSMENT		<input type="checkbox"/>
ALTERNATIVE ASSESSMENT		<input checked="" type="checkbox"/>
HEALTH & SAFETY		<input type="checkbox"/>
CHEMICAL INVENTORY		<input checked="" type="checkbox"/>
STORAGE & HANDLING		<input type="checkbox"/>
WASTEWATER & SLUDGE		<input type="checkbox"/>
AIR EMISSIONS		<input type="checkbox"/>
WASTE MANAGEMENT		<input type="checkbox"/>
PROCESS CONTROL		<input type="checkbox"/>
CONTINUOUS IMPROVEMENT		<input type="checkbox"/>
TRAINING		<input type="checkbox"/>
RESOURCE EFFICIENCY		<input type="checkbox"/>

03

Attention!

Please ensure your Gateway Supplier Profile is set before you continue! Your supplier profile on the Supplier platform is directly linked to the Supplier Profile on ZDHC Gateway. Changing a supplier profile on the ZDHC Gateway will reset your Supplier platform account, as applicable questions will change. Any Supplier to Zero certificate already received by your facility will no longer be valid and must be renewed.

04 **ATTENTION!**
When entering the evaluation page for the first time, users are reminded to set their ZDHC Gateway Supplier Profile first, before starting the self-evaluation

05 **USER GUIDANCE**
Short explanation that users can start with a chapter of their choice. Explains that a Recommendation is unlocked if expected elements are not implemented yet - Recommendations are designed to help the supplier improve

Select your start of the evaluation by clicking on the chapters on the left

Unlock Recommendations for improvement if implementation is not completed yet. Collect them in the Recommendation overview section to create a comprehensive to-do list or tackle them one by one.

THE CHAPTERS

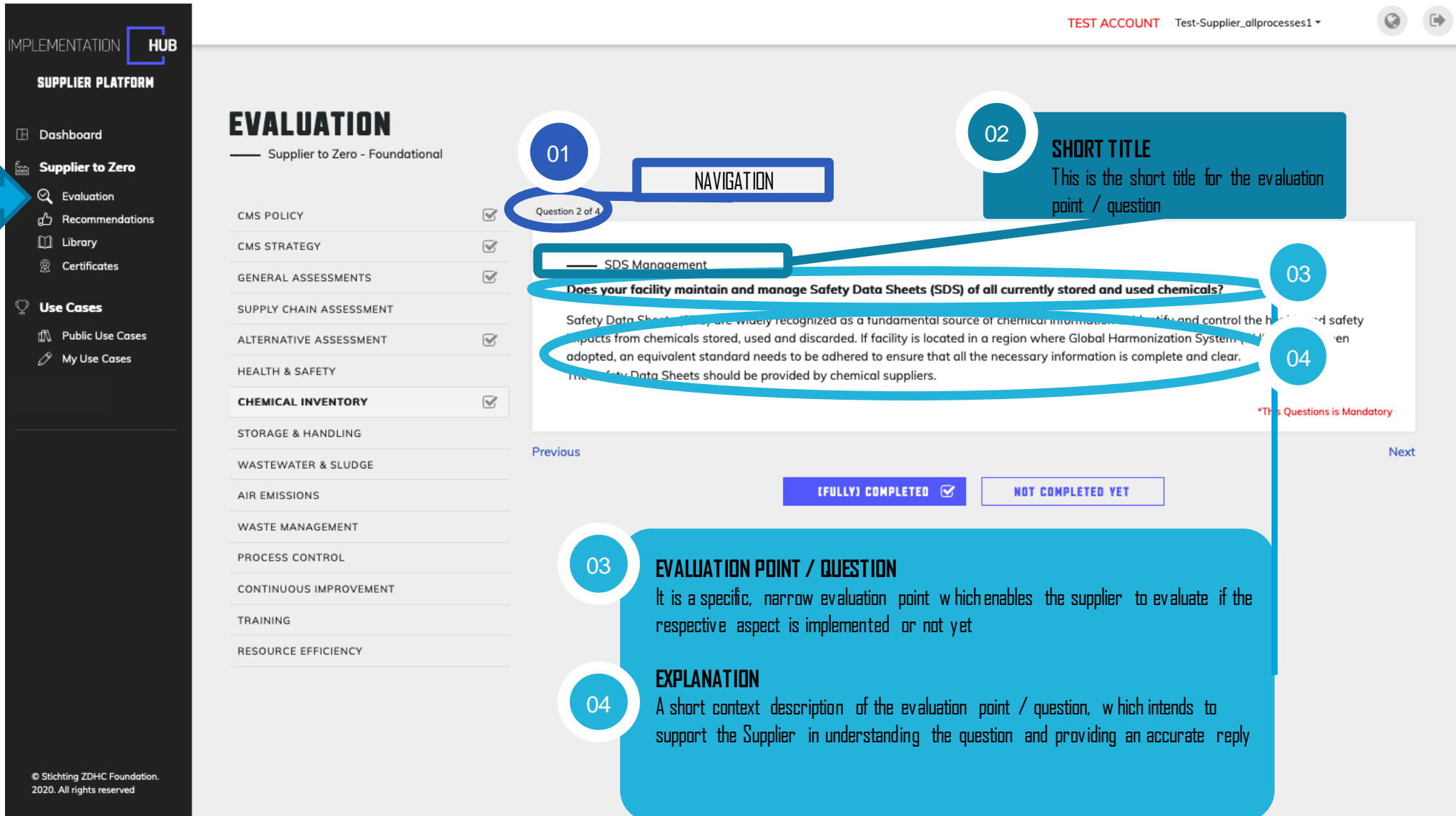
The Supplier to Zero chapters for the self-evaluation are based on the ZDHC Chemical Management Framework

02

03

- Chapter evaluation not completed, yet
- Self-evaluation on chapter completed

Evaluation Work through self-evaluation



IMPLEMENTATION HUB
SUPPLIER PLATFORM

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- Supplier to Zero**
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EVALUATION
 Supplier to Zero - Foundational

- CMS POLICY
- CMS STRATEGY
- GENERAL ASSESSMENTS
- SUPPLY CHAIN ASSESSMENT
- ALTERNATIVE ASSESSMENT
- HEALTH & SAFETY
- CHEMICAL INVENTORY**
- STORAGE & HANDLING
- WASTEWATER & SLUDGE
- AIR EMISSIONS
- WASTE MANAGEMENT
- PROCESS CONTROL
- CONTINUOUS IMPROVEMENT
- TRAINING
- RESOURCE EFFICIENCY

01 **NAVIGATION**
 Question 2 of 4

02 **SHORT TITLE**
 This is the short title for the evaluation point / question

03 **EVALUATION POINT / QUESTION**
 It is a specific, narrow evaluation point which enables the supplier to evaluate if the respective aspect is implemented or not yet

04 **EXPLANATION**
 A short context description of the evaluation point / question, which intends to support the Supplier in understanding the question and providing an accurate reply

03 **SHORT TITLE**
 This is the short title for the evaluation point / question

04 **EXPLANATION**
 A short context description of the evaluation point / question, which intends to support the Supplier in understanding the question and providing an accurate reply

03 **EVALUATION POINT / QUESTION**
 It is a specific, narrow evaluation point which enables the supplier to evaluate if the respective aspect is implemented or not yet

04 **EXPLANATION**
 A short context description of the evaluation point / question, which intends to support the Supplier in understanding the question and providing an accurate reply

SDS Management
Does your facility maintain and manage Safety Data Sheets (SDS) of all currently stored and used chemicals?
 Safety Data Sheets (SDS) are widely recognized as a fundamental source of chemical information to identify and control the health and safety impacts from chemicals stored, used and discarded. If facility is located in a region where Global Harmonization System (GHS) has been adopted, an equivalent standard needs to be adhered to ensure that all the necessary information is complete and clear. The Safety Data Sheets should be provided by chemical suppliers.

Navigation: Previous, Next

Status: (FULLY) COMPLETED NOT COMPLETED YET

*This Questions is Mandatory

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Evaluation Work through self-evaluation

IMPLEMENTATION **HUB**

SUPPLIER PLATFORM

- Dashboard
- Supplier to Zero**
- Evaluation
- Recommendations
- Library
- Certificates

Use Cases

- Public Use Cases
- My Use Cases

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We are here

EVALUATION

Supplier to Zero - Foundational

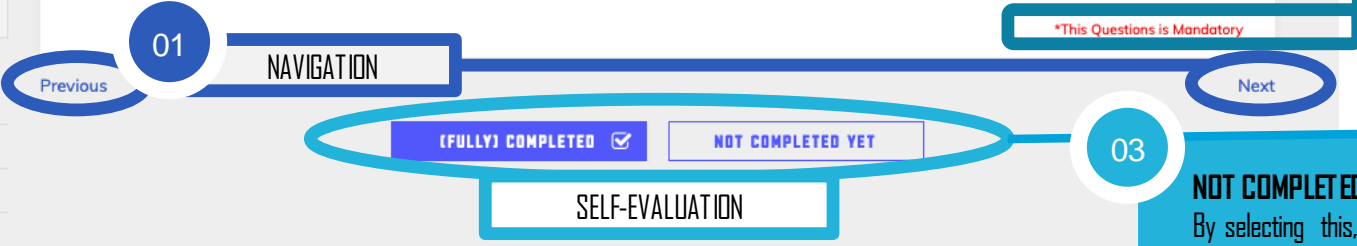
- CMS POLICY
- CMS STRATEGY
- GENERAL ASSESSMENTS
- SUPPLY CHAIN ASSESSMENT
- ALTERNATIVE ASSESSMENT
- HEALTH & SAFETY
- CHEMICAL INVENTORY**
- STORAGE & HANDLING
- WASTEWATER & SLUDGE
- AIR EMISSIONS
- WASTE MANAGEMENT
- PROCESS CONTROL
- CONTINUOUS IMPROVEMENT
- TRAINING
- RESOURCE EFFICIENCY

Question 2 of 4

SDS Management

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02

MANDATORY or OPTIONAL?
 All MANDATORY elements need to be "completed" to be eligible for submission/ certificate

04

EXAMPLE OF "OPTIONAL QUESTION" REPLY OPTIONS
 These are either specific to a production process or material processed or will be a mandatory checkpoint at a higher SZL Level (selecting "not applicable" will count as "completed")

03

NOT COMPLETED YET
 By selecting this, a Recommendation will be provided to support implementation

FULLY COMPLETED
 Closes this self-evaluation point. All MANDATORY elements need to be "completed" to be eligible for submission/ certificate

Evaluation Work through self-evaluation

IMPLEMENTATION **HUB**

SUPPLIER PLATFORM

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- Recommendations
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TEST ACCOUNT Test-Supplier_allprocesses1

YOU UNLOCKED A RECOMMENDATION

Your Recommendations overview section will show all Recommendations you have unlocked from the Evaluation so far. Follow the Recommendations to improve.
Continue the Evaluation to add more Recommendations to the overview.

01 **SHOW RECOMMENDATIONS**

02 **CONTINUE EVALUATION**

SHOW RECOMMENDATIONS
Links to the Recommendation Overview page

CONTINUE EVALUATION
Leads the Supplier right to the next evaluation point / question in the same chapter.

03

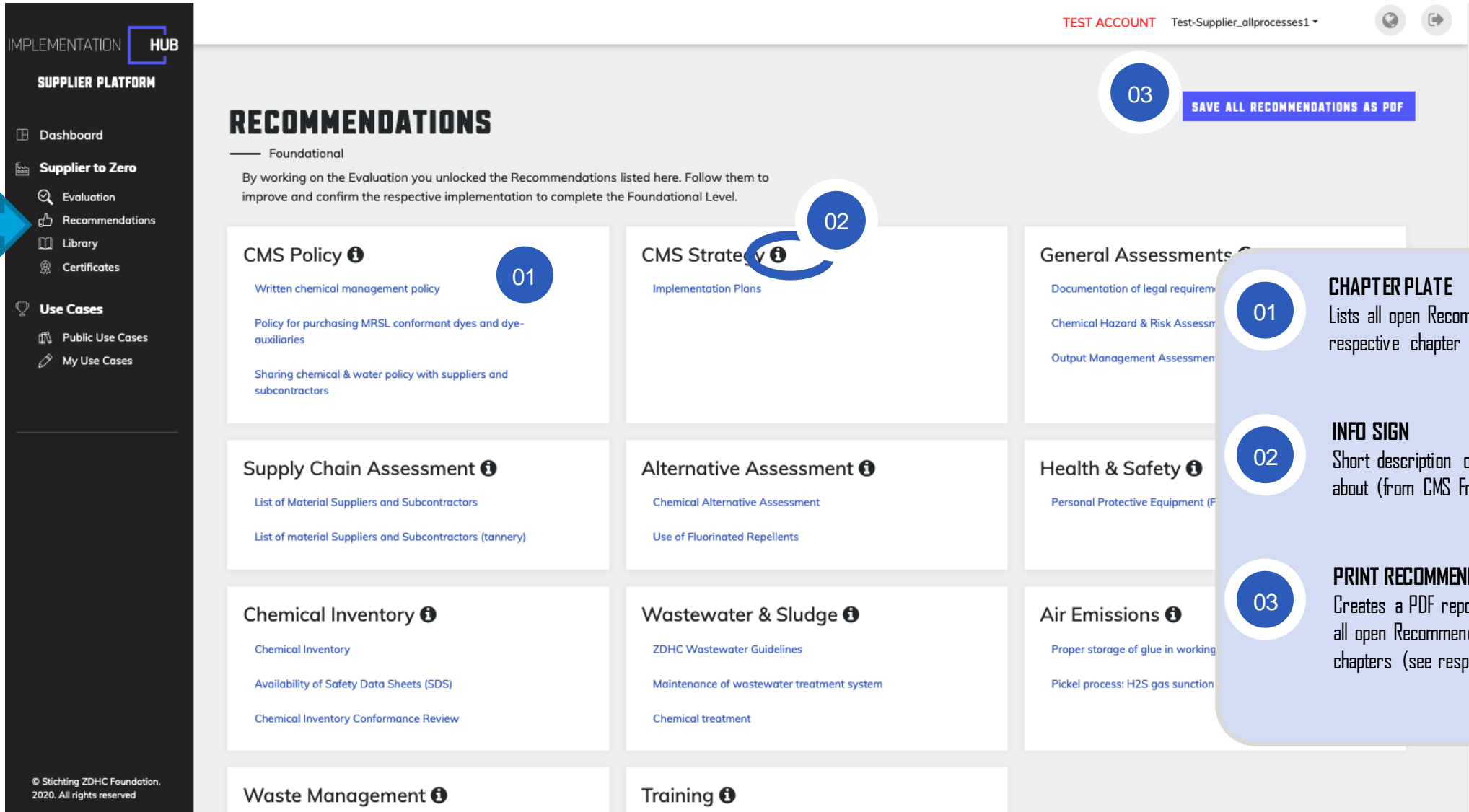
YOU UNLOCKED A RECOMMENDATION

Your Recommendations overview section will show all Recommendations you have unlocked from the Evaluation so far. Follow the Recommendations to improve.
Continue the Evaluation to add more Recommendations to the overview.

Recommendations

02

Recommendation Overview page



IMPLEMENTATION **HUB**

SUPPLIER PLATFORM

- Dashboard
- Supplier to Zero**
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TEST ACCOUNT Test-Supplier_allprocesses1

RECOMMENDATIONS

Foundational

By working on the Evaluation you unlocked the Recommendations listed here. Follow them to improve and confirm the respective implementation to complete the Foundational Level.

03 SAVE ALL RECOMMENDATIONS AS PDF

01 CMS Policy **i**

- Written chemical management policy
- Policy for purchasing MRSL conformant dyes and dye-auxiliaries
- Sharing chemical & water policy with suppliers and subcontractors

02 CMS Strategy **i**

- Implementation Plans

General Assessments **i**

- Documentation of legal requirements
- Chemical Hazard & Risk Assessment
- Output Management Assessment

01 CHAPTER PLATE

Lists all open Recommendations of the respective chapter

02 INFO SIGN

Short description of what the chapter is about (from CMS Framework)

03 PRINT RECOMMENDATION OVERVIEW

Creates a PDF report format including all open Recommendations from all chapters (see respective slide)

Supply Chain Assessment **i**

- List of Material Suppliers and Subcontractors
- List of material Suppliers and Subcontractors (tannery)

Alternative Assessment **i**

- Chemical Alternative Assessment
- Use of Fluorinated Repellents

Health & Safety **i**

- Personal Protective Equipment (PPE)

Chemical Inventory **i**

- Chemical Inventory
- Availability of Safety Data Sheets (SDS)
- Chemical Inventory Conformance Review

Wastewater & Sludge **i**

- ZDHC Wastewater Guidelines
- Maintenance of wastewater treatment system
- Chemical treatment

Air Emissions **i**

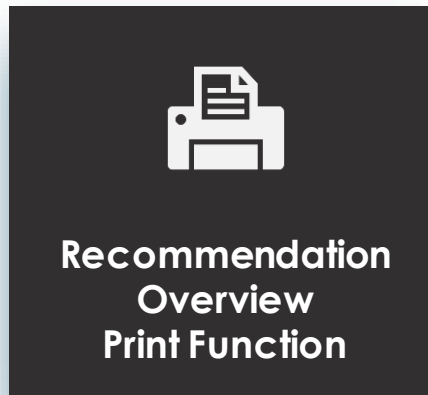
- Proper storage of glue in working area
- Pickel process: H2S gas suction

Waste Management **i**

Training **i**

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Recommendation Overview PDF



Suppliers can download their open recommendations on CMS implementation as a comprehensive PDF overview

The document includes a guidance on how to get endorsement from Supplier management

The Recommendation Overview PDF encourages Suppliers to build an implementation plan

SUPPLIER TO ZERO

Recommendation Overview

How to use this document

The ZDHC Chemical Management System improvement towards the goal of zero emissions.

The Supplier to Zero Recommendation Zero Foundational Level. It provides you with a comprehensive overview of the ZDHC Chemical Management System.

Please consider the following steps:

- Use the document to build an implementation plan
 - Fill in timeline, meaning
 - Assign personnel for each step
 - Estimate respective resources
- Use this document to get endorsement from Supplier management clearly explaining the expected results
- Use this document to track:
 - When the recommendation is implemented
 - If the implementation is completed

In order to achieve the Supplier to Zero status, you need to set the answer to "COMPLETED", on the Supplier Management System.

This document should thus be read at the upcoming ZDHC Technical Industry Conference.

Please note: Respective connections to the Roadmap to Zero website.

Table Of Content

- CMS Policy
- CMS Strategy
- General Assessment
- Supply Chain Assessment
- Alternative Assessment
- Health & Safety
- Chemical Inventory
- Wastewater & Sludge
- Air Emissions
- Waste Management
- Training

Chemical Inventory

Chemical Inventory Conformance Review

Your recommendation	Investment costs	Implementation effort	Payback
In case a review process is not developed, work with the management to develop a policy and process to regularly review the purchased, stored and used chemicals meet the requirements of ZDHC MRSL.	★★	★	★

Start date	End date	Responsible team	Budget required	Resources required (man-hours)	Implementation completed	Supplier to Zero status changed to 'COMPLETED'

Availability of Safety Data Sheets (SDS)

Your recommendation	Investment costs	Implementation effort	Payback
Store Material Safety Data Sheets (SDS) for all chemicals and preparations being used in the factory properly and make them easily accessible for all workers handling chemicals	★	★	★★

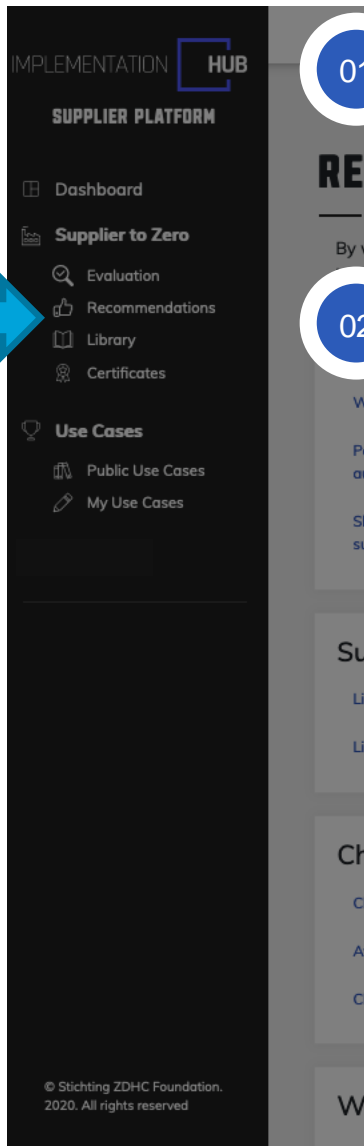
Start date	End date	Responsible team	Budget required	Resources required (man-hours)	Implementation completed	Supplier to Zero status changed to 'COMPLETED'

The stars are ranking the savings/benefits of implementing a recommendation

★ low saving / benefits
★★★★ high saving / benefit

Supplier to Zero Recommendations - Foundational Level
Demo ZDHC | 10 September 2020

Recommendation Stepwise guidance on one page



01

Chemical Inventory
— Chemical Inventory

02

What should be in place

All chemicals being purchased, stored, used in a facility or its warehouse are listed, e.g. in a Chemical Inventory List (CIL)

A Chemical Inventory List (CIL) is a list of all chemicals and/or chemical products kept or used in the facility, in processes and tooling/operations. An organisation should have a robust process for creating and updating a CIL. Ensure you document at least all information required for a Foundational Level CIL. (click "not completed yet" and see recommendation)

Recommendation implemented?

To mark the recommendation implementation as completed, change your answer

[HERE](#)

03

How you can improve

Your recommendation

Document all chemicals that are purchased, stored or used in a facility or its warehouse in a Chemical Inventory List (CIL)

04

Investment costs



Implementation effort



Payback

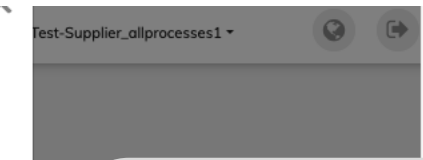


Explanation

A Chemical Inventory List (CIL) will assist your organisation with purchasing decisions, promote responsible chemical use, prevent pollution, increase traceability, simplify chemical handling decisions, and control disposal costs. For example, tracking chemical storage may indicate that excess chemicals are available and thus prevent unnecessary purchases.

Chemical Inventory List (CIL) must contain at least the following information:

- 1) Name of Chemical, Chemical Formulator and Chemical Supplier
- 2) Volume related information: Monthly purchasing and usage amount
- 3) Conformance with ZDHC MRSL
- 4) If available: ZDHC MRSL 3rd party declaration or certification
- 5) Storage information: Where is it stored?
- 6) Lot number: The batch or lot number(s) of the chemical products purchased for enabling quality review of chemicals or RCA
- 7) If applicable: The expiry date of the chemical as provided
- 8) SDS information (date of issue of available SDS)



Opens

When clicking on one of the Recommendations

01

CHAPTER & SHORT TITLE

Links to ZDHC Knowledgebase, certificates area, user feedback

02

RECAP

Show evaluation point / question and explanation

03

RECOMMENDATION

Very short, CAP like text of what needs to be done

04

INDICATORS

Provide insights in cost-payback-ratio. Have a look at their meaning: <http://bit.ly/S2Zindicators>

Closes

When clicking on the X in the top right corner or any part of the screen left or right from window

Guidance

03

Guidance Documents Access via

Recommendations

SUPPLIER PLATFORM

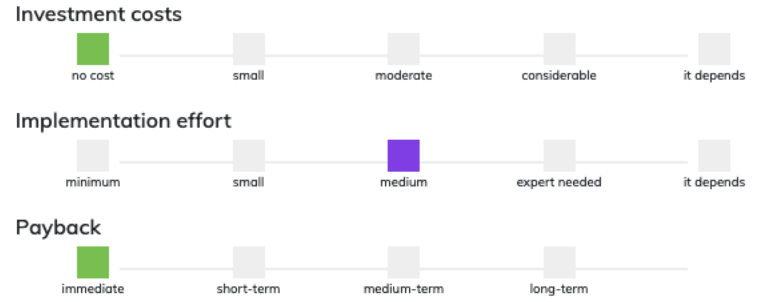
- Dashboard
- Supplier to Zero**
- Evaluation
- Recommendations
- Library
- Certificates
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 - Public Use Cases
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We are here →

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A Chemical Inventory List (CIL) is a list of all chemicals and/or chemical products kept or used in the facility, in processes and tooling/operations. An organisation should have a robust process for creating and updating a CIL. Ensure you document at least all information required for a Foundational Level CIL. (click "not completed yet" and see recommendation)



03 Recommendation implemented?
To mark the recommendation implementation as completed, change your answer

HERE

01 Explanation

A Chemical Inventory List (CIL) will assist your organisation with purchasing decisions, promote responsible chemical use, prevent pollution, increase traceability, simplify chemical handling decisions, and control disposal costs. For example, tracking chemical storage may indicate that excess chemicals are available and thus prevent unnecessary purchases.

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- 5) Storage information: Where is it stored?
- 6) Lot number: The batch or lot number(s) of the chemical products purchased for enabling quality review of chemicals or RCA
- 7) If applicable: The expiry date of the chemical as provided
- 8) SDS information (date of issue of available SDS)

If chemical information is missing, there must be a corrective action plan to obtain this data from chemical formulators. The information on the CIL will also help you to track your goal towards ZDHC MRSL Conformance.

02 Documents for your improvement
ZDHC Chemical Inventory List (CIL)

Test-Supplier_allprocesses1

SAVE ALL RECOMMENDATIONS AS ONE

Opens
When clicking on one of the Recommendations

01 EXPLANATION OF RECOMMENDATION
Short CMS-based explanation of how to fulfill the expectation and how to use the documents for improvements

02 DOCUMENTS FOR IMPROVEMENT
Guidance documents or templates to support the supplier in implementation

03 LINK TO ACADEMY
Links directly to supportive e-learning or training

04 LINK BACK TO EVALUATION
(see respective slides)

Closes
When clicking on the X in the top right corner or any part of the screen left or right from window

Guidance Documents Access via Library

IMPLEMENTATION HUB

SUPPLIER PLATFORM

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 - Recommendations
 - Library
 - Certificates
- Use Cases
 - Public Use Cases
 - My Use Cases

LIBRARY

Have a look at the Guidance Sheets and improvement resources provided for the Foundational Level.

Input	Policy & Procedure: Standard Operating Procedure	F	English	Chinese
Process	Policy & Procedure: ZDHC MRSL Conformity	F	English	Chinese
Output	Selection of Environmental Friendly Chemicals	P A	English	Chinese
Training	APEO Fact Sheet	F P A	English	Chinese
	Safety Data Sheets (SDS)	F P	English	Chinese
	ZDHC Manufacturing Restricted Substances Lists (MRSL)	Ø	English	Chinese
	How to search chem Gateway	Ø		
	ZDHC InCheck user g			
	VOC - Chemical Guid			
	PFC Fact Sheet			
	APEO Chemical Guid			
	Perfluorinated & Polyl - Chemical Guidance :			
	Performance InCheck Guidelines	Ø	English	Chinese

We are here →

02 Click on category for accessing the respective guidance documents, templates and links

01

- Indicator for applicable Supplier to Zero Level (Foundational = minimum expectation)
- Language options - enables users to identify if relevant material is also available for upstream communication

03

- Ø ZDHC Guideline or templates
- Supplier to Zero guidance/ template
- Best Available Techniques (BAT)

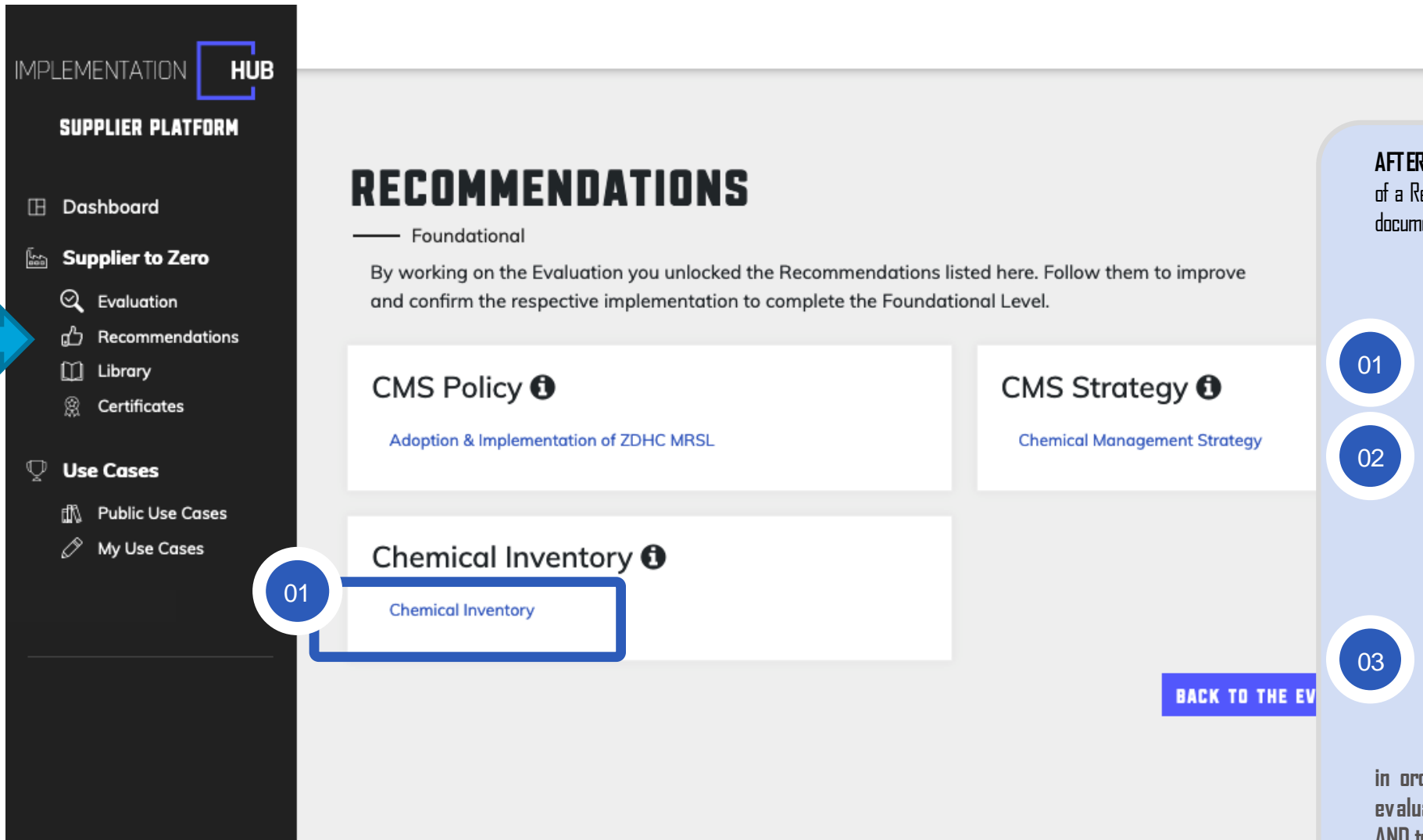
English Chinese

English Chinese

Improve

04

Keep record of improvement via the platform



IMPLEMENTATION **HUB**

SUPPLIER PLATFORM

- Dashboard
- Supplier to Zero**
 - Evaluation
 - Recommendations**
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 - Certificates
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 - Public Use Cases
 - My Use Cases

RECOMMENDATIONS

— Foundational

By working on the Evaluation you unlocked the Recommendations listed here. Follow them to improve and confirm the respective implementation to complete the Foundational Level.

CMS Policy ⓘ

Adoption & Implementation of ZDHC MRSL

CMS Strategy ⓘ

Chemical Management Strategy

Chemical Inventory ⓘ

Chemical Inventory

01

BACK TO THE EV

We are here

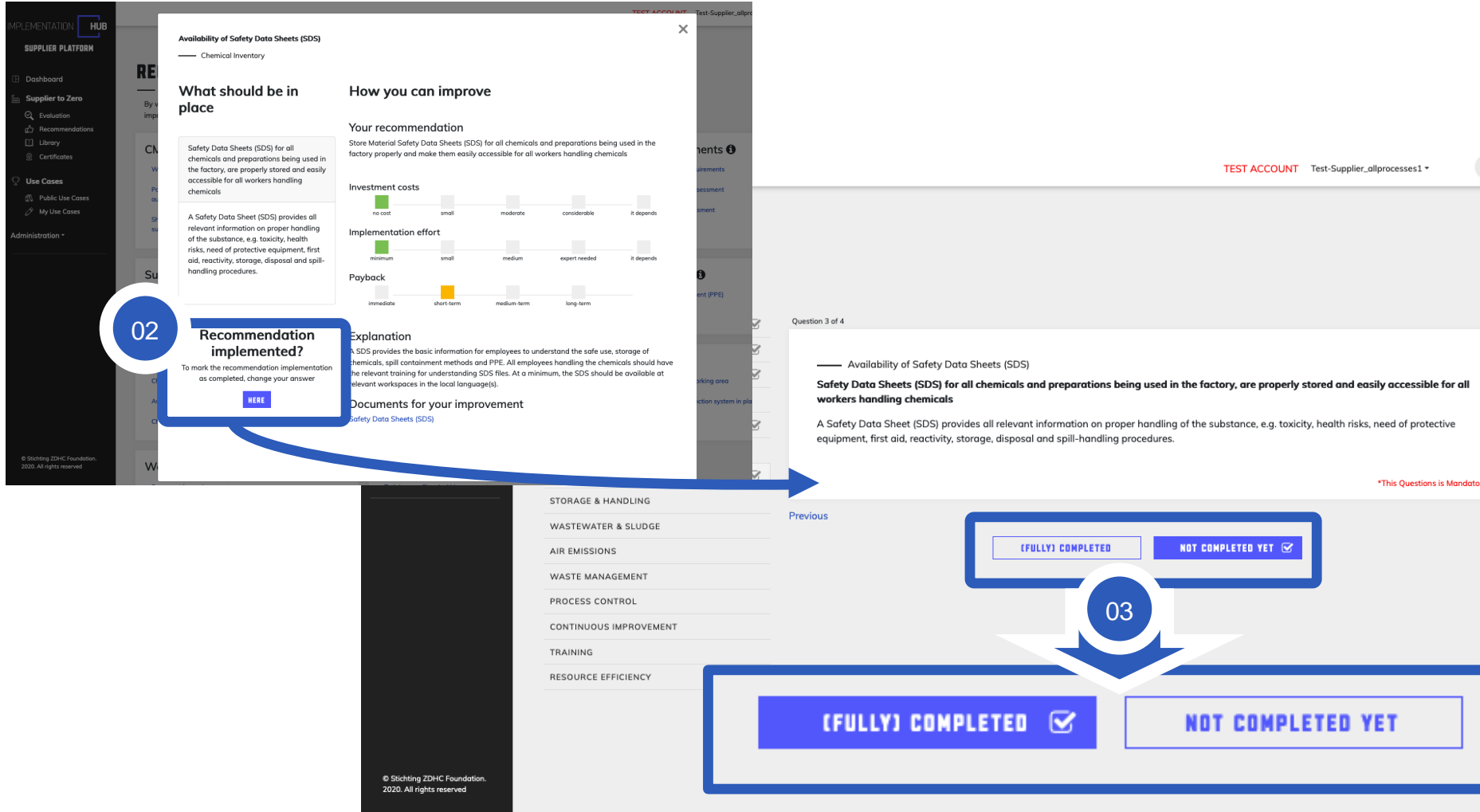


AFTER SUCCESSFUL IMPLEMENTATION
of a Recommendation, the Supplier needs to document this via the platform

- 01 OPEN THE RECOMMENDATION**
- 02 CLICK HERE**
in order to return to the self-evaluation
- OR enter the evaluation point directly
- 03 CHANGE REPLY**
Select
"[FULLY] COMPLETED"

in order to eventually complete the self-evaluation positively
AND to achieve the Supplier to Zero Certificate

Keep record of improvement via the platform



02 Recommendation implemented?
 To mark the recommendation implementation as completed, change your answer [HERE](#)

03

STORAGE & HANDLING
 WASTEWATER & SLUDGE
 AIR EMISSIONS
 WASTE MANAGEMENT
 PROCESS CONTROL
 CONTINUOUS IMPROVEMENT
 TRAINING
 RESOURCE EFFICIENCY

[FULLY] COMPLETED **NOT COMPLETED YET**

[FULLY] COMPLETED **NOT COMPLETED YET**

AFTER SUCCESSFUL IMPLEMENTATION of a Recommendation, the Supplier needs to document this via the platform

01 OPEN THE RECOMMENDATION

02 CLICK HERE in order to return to the self-evaluation
 - OR enter the evaluation point directly

03 CHANGE REPLY
 Select "[FULLY] COMPLETED"
 in order to eventually complete the self-evaluation positively
AND to achieve the Supplier to Zero Certificate

Use Cases



Use Cases Module share your story on our stage

IMPLEMENTATION **HUB**

SUPPLIER PLATFORM

- Dashboard
- Supplier to Zero
- Evaluation
- Recommendations
- Library
- Certificates
- Use Cases**
 - Public Use Cases
 - My Use Cases

We are here →



USE CASES

Sustainable Chemistry Implementation

Peer Learning on how to master challenges

The implementation of sustainable chemical management is a process, it is a journey full of challenges and needs to master. And despite all the struggles, there are success stories and achievements that your company can share. Peer Learning – learning from other suppliers – makes our ZDHC community stronger. It helps you to master challenges! Sharing your success stories will demonstrate your leadership in bringing positive change to the industry. Present your company's strengths on stage of the next ZDHC Conference to leading brands.

WHAT'S IN IT FOR YOU!

The stage is yours!

A few words about your achievements, the good you do, the change you brought. Let others know, and learn from the best. Be part of the best. Be known as the best.

Recognition

Show others how you were able to master challenges and implement the ZDHC CMS

Visibility

Submit a Use Case and present your company's strengths on stage of the next ZDHC Conference.

Buyers' interest

Be the Supplier the Brands and Retailers search – or always reference to.

How to lead by example

Your Use Case can support change the industry



Write

Put your achievements in your own words. The platform helps to structure them. Be a change maker today!



Submit

Tell the industry about your ability to master sustainable chemical management - But first submit to us for review.



Approve

We check your submission and help you to showcase your strength.

THIS IS THE INTRODUCTION PAGE

It also explains the process of Use Case submission by the Supplier

And approval by the IHUB Before publication on the Supplier Platform

Use Cases Module share your story on our stage

IMPLEMENTATION **HUB**

SUPPLIER PLATFORM

- Dashboard
- Supplier to Zero
- Evaluation
- Recommendations
- Library
- Certificates
- Use Cases**
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MY USE CASES


Share your experience and become a global leader by example

- Get visibility for your achievements! Suppliers who publish Use Cases will be invited to present at international Brands and Retailers and our renowned conferences and events
- Talk about how you managed to overcome hurdles in the implementation of sustainable chemical management
- Fill out the template and hand in your Use Case
- Handed in Use Cases will be reviewed and published by the Implementation HUB
- You can manage your Use Cases below

In the MY USE CASES area
 Supplier can write down their own success stories and learning experience, as they can compile and submit a Use Case.

01 ADD NEW USE CASE

02 CLICK HERE
 To edit our drafts and SUBMITTING A USE CASE or withdrawing a submission



#	Title	No./ Code	Company	City	Region
2	PFC elimination & substitution	2-2020-7EE	Textiles Ltd. (an IHUB company)		
3	Auto-dosing for improved exposure control	3-2020-7EF	Textiles Ltd. (an IHUB company)		

01
ADD NEW

02

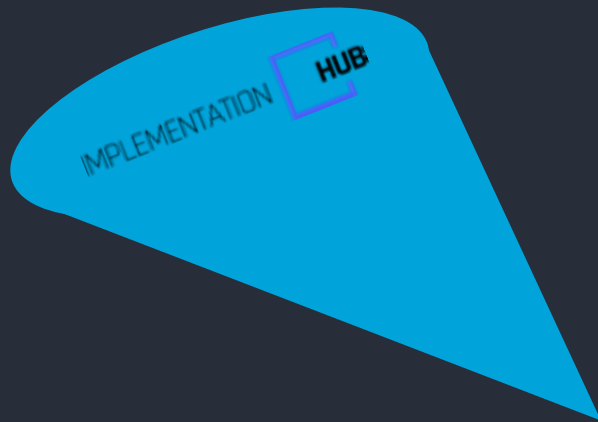


SUPPLIER

to Zero By Ø ZDHC

Does your project link in?

Let's discuss!



Link to ZDHC Academy trainings

ZDHC CMS roll-out by brands

CMS improvement projects

CMS improvement projects

Please contact us to discuss how your activities can better link with

- Supplier to Zero
- ZDHC Gateway
- InCheck
- ...

IMPLEMENTATION



KLAAS NUTTBOHM

nuttbohm@implementation-hub.org



PHILIP CHUNG

chung@implementation-hub.org

5-steps towards continuous excellence

TOP-10 ISSUES & BEST PRACTICES, WASTEWATER MGMT

1-Day training focusing to common issues and best practices

INTRO TO CHEMICAL MANAGEMENT

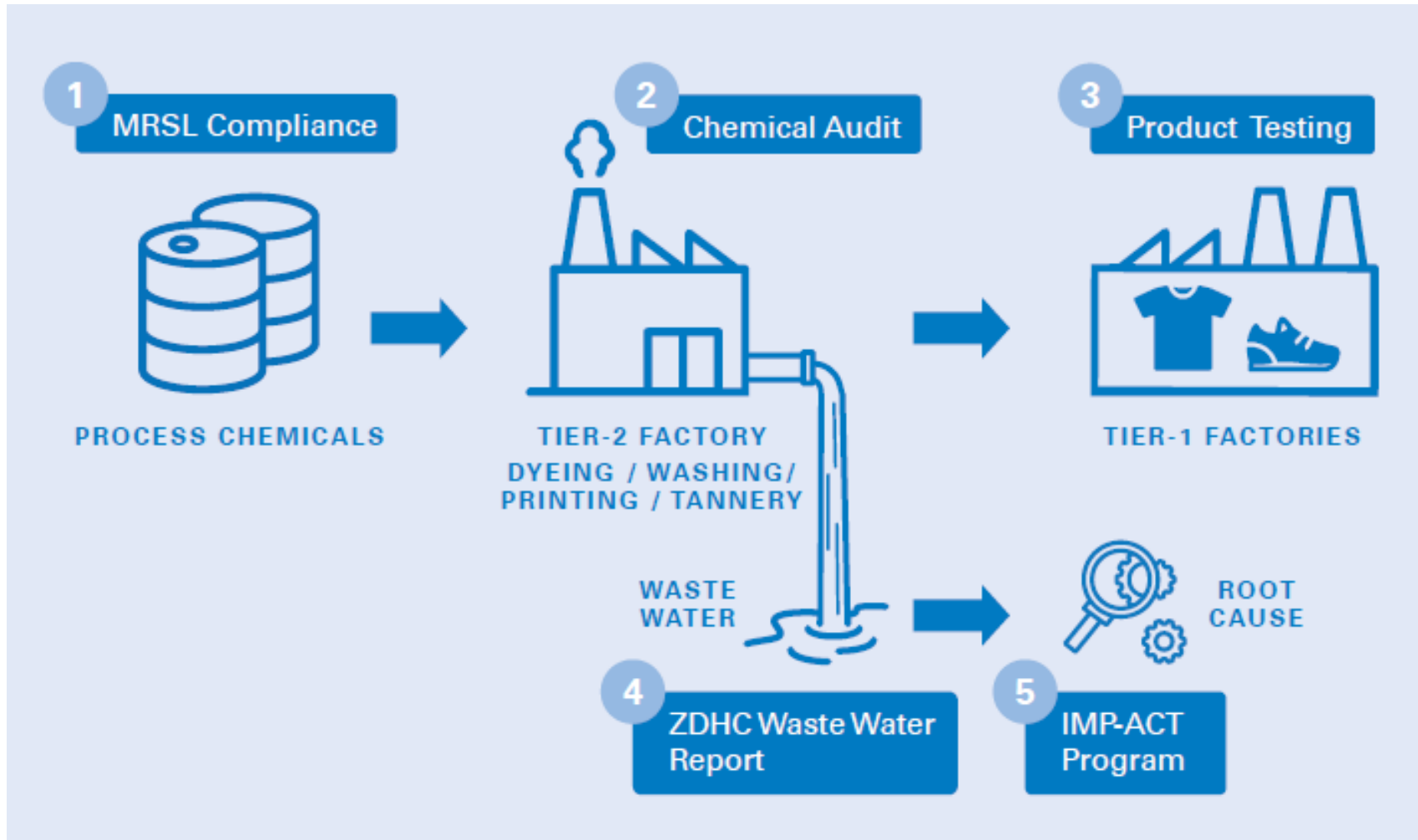
2-Day Training addressing the WHY ? And WHAT ?

INITIATE PLANS

- Market Demand/Potential evaluated.
- Initiatives & Programs identified (giz REMC, ZDHC, SAC, LWG, amfori BEPI, etc)
- Webinars/workshops attended



Engagement across supply chain



Higg Index CHEMICAL SPECIALIST
ZDHC VERIFIER

Higg Facility Environmental Module

ACCREDITED By ZDHC

Training Provider

ACCEPTED By ZDHC

Laboratory

ACCEPTED By ZDHC

Certification Standard

amfori BEPI
Trade with purpose

www.tuv.com/detox

Questions ? Feedback ?

CENTRAL AMERICA
(coming spring 2021)

- MEXICO
- HONDURAS
- GUATEMALA

EUROPE

- GERMANY

ASIA-PACIFIC

- CHINA
- VIETNAM
- THAILAND
- CAMBODIA
- INDONESIA

INDIA, MIDDLE EAST AND AFRICA

- TURKEY
- INDIA
- BANGLADESH

All Sustainability Topics
Rakesh.Vazirani@tuv.com

- Expert Hub
- Chemical Formulation Testing (MRSL)
- Wastewater Testing
- Chemical Management Audits (amfori BEPI, SAC verification)
- Training (based on GIZ and ZDHC)

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