



Succeed with the SAC Higg index Facility Environmental Module

November 14th, 2019
Karin Ekberg

PERFORMANCEDAYS
FUNCTIONAL FABRIC FAIR

Leadership & Sustainability

Agenda

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1. The SAC & Higg Index
2. The Higg FEM
3. Questions & Discussion





The Sustainable Apparel Coalition & Higg Index

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A Symbiotic Solution for the Ecosystem

VISION

The Sustainable Apparel Coalition's vision is of an apparel, footwear, and textiles industry that produces no unnecessary environmental harm and has a positive impact on the people and communities associated with its activities.



The SAC is the network for positive social and environmental transformation and change within industry.



Higg Co delivers enterprise level technology for social and environmental performance that is reliable, scalable, and drives impact improvement across the industry.



Aii scales solutions that drive performance impact improvement within the industry.

Diverse Global Membership

Brands & Retailers



Manufacturers



Industry Affiliates



Nonprofit, Academia, Government



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Higg Index



Higg Product Tools

- **Materials Sustainability Index (MSI)**
 - **Design & Development Module (DDM)**
 - **Product Module (PM)**
- * 2020**

Higg Facility Tools

- **Facilities Environmental Module (FEM)**
- **Facilities Social/Labor Module (FSLM)**



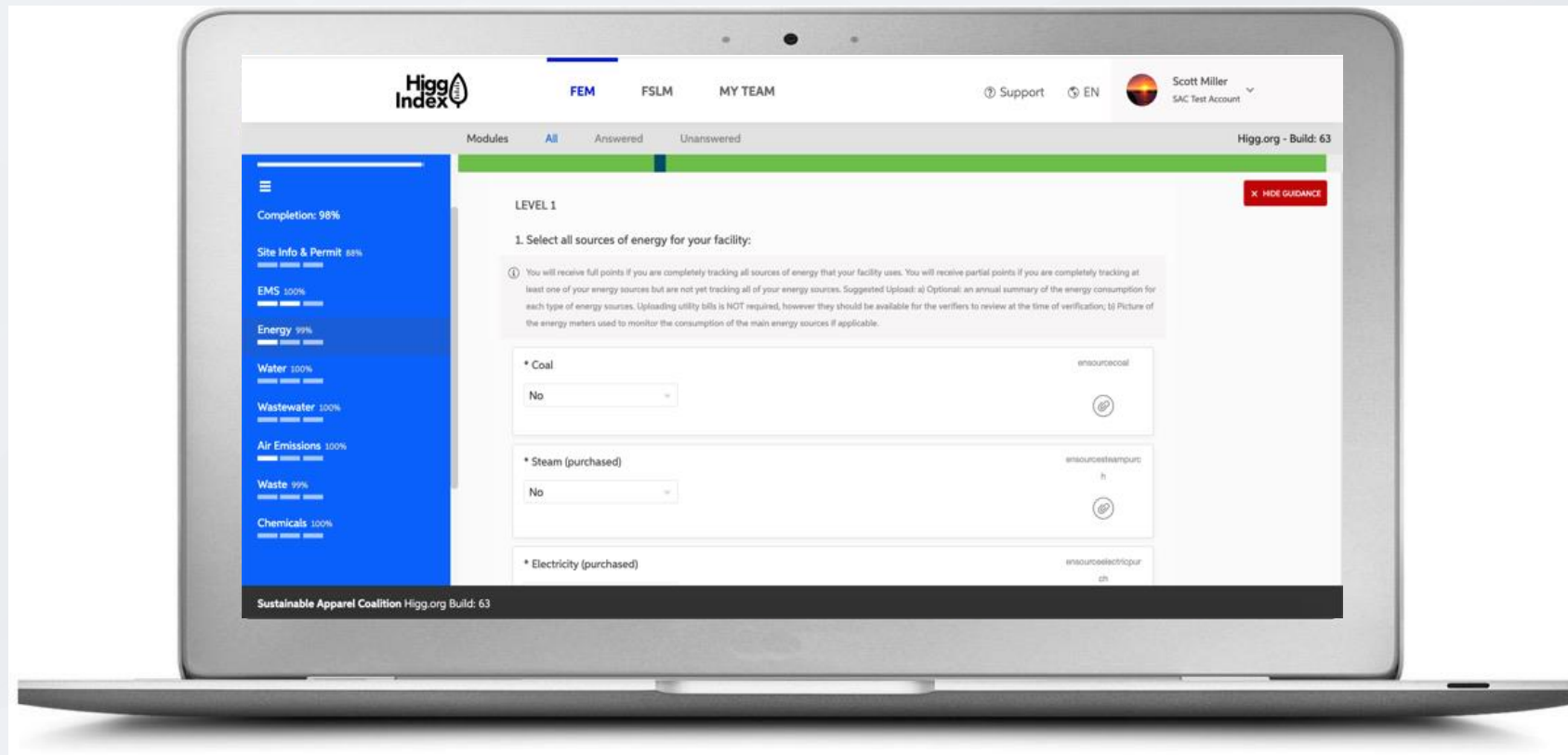
Higg Brand & Retail Tool

- **Brand & Retail Module (Environment and Social)**
- *2020**

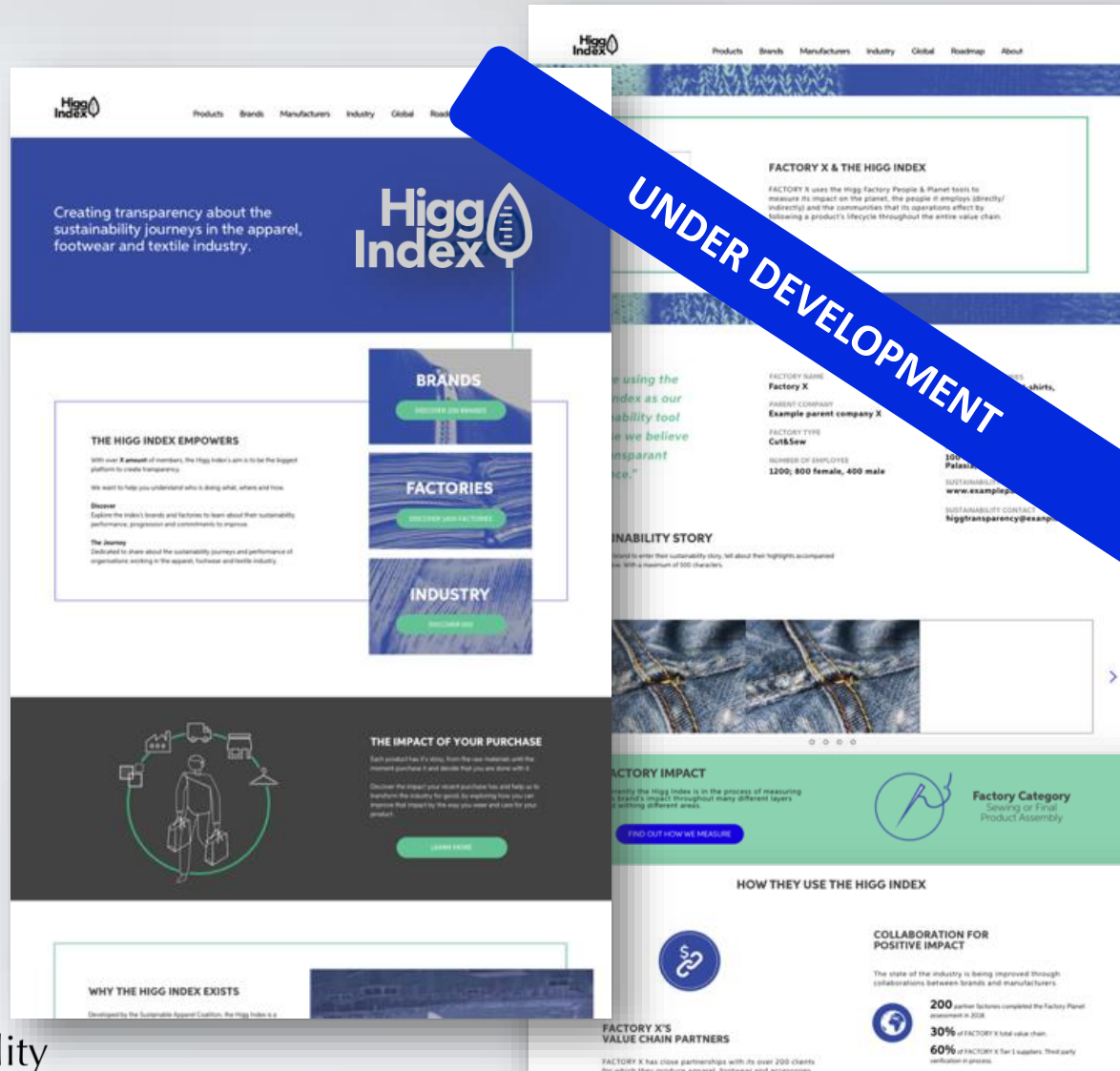
Source: apparelcoalition.org

Higg Index Online Platform: Higg.org

- New Higg Index Platform launched Nov 2018
- Register for the [higg.org](https://portal.higg.org) account on portal.higg.org



Higg Index Transparency Website: Outlook 2020





The Higg Facility Environmental Module (FEM)

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Higg Facility Environmental Module (FEM) – Overview

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- Online self-assessment tool for facilities
- Divided into sections
- Questions listed based on applicability / relevance
- Levels 1-3; scoring
- Annual cycles
- In 2020 self-assessment to be done by April 30th
- Verification January - December 31st
- Verification usually on-site
- Guidance given in [“How to Higg”](#)

Higg FEM measures...

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1. Environmental Management System
2. Energy Use & GHG
3. Water Use
4. Wastewater/ Effluent
5. Emissions to Air
6. Waste Management
7. Chemicals



 Sustainable
Apparel Coalition

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Higg FEM Section Structure

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1. Continuous Improvement Sections: Energy use, water use and waste

- Know your sources
- Know major drivers of use
- Baseline your performance
- Set targets and action plan
- Demonstrate reductions
- Demonstrate leading practice

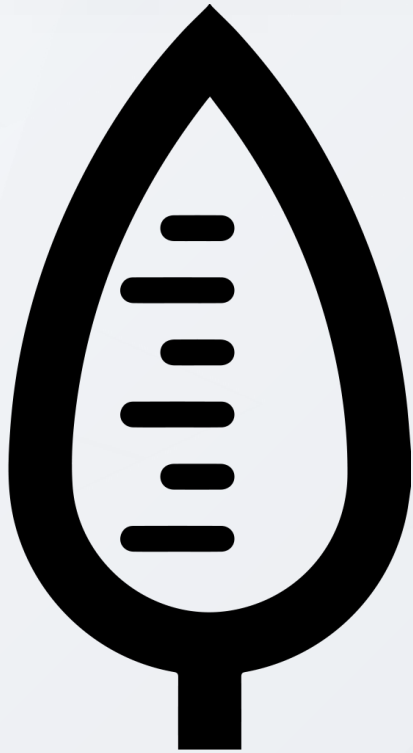
2. Pollutant Limits: Wastewater and air emissions

- Know your sources and volumes
- Know quality of pollutants (permit/standard)
- Control quality / take specific actions
- Demonstrate leading practice (best available equipment, aspirational standard)

3. Management Sections: EMS (Environmental management systems) and chemicals management

- Have qualified staff in place
- Adhere to the rules (regulations, laws, brand requirements)
- Have long-term, holistic strategies and action plans in place
- Take specific management actions (e.g., storage, handling, maintain equipment, etc.)
- Demonstrate leading practice (e.g., engage upstream and with community, innovation, deep traceability)

Higg FEM Performance Level Sections



Source: apparelcoalition.org

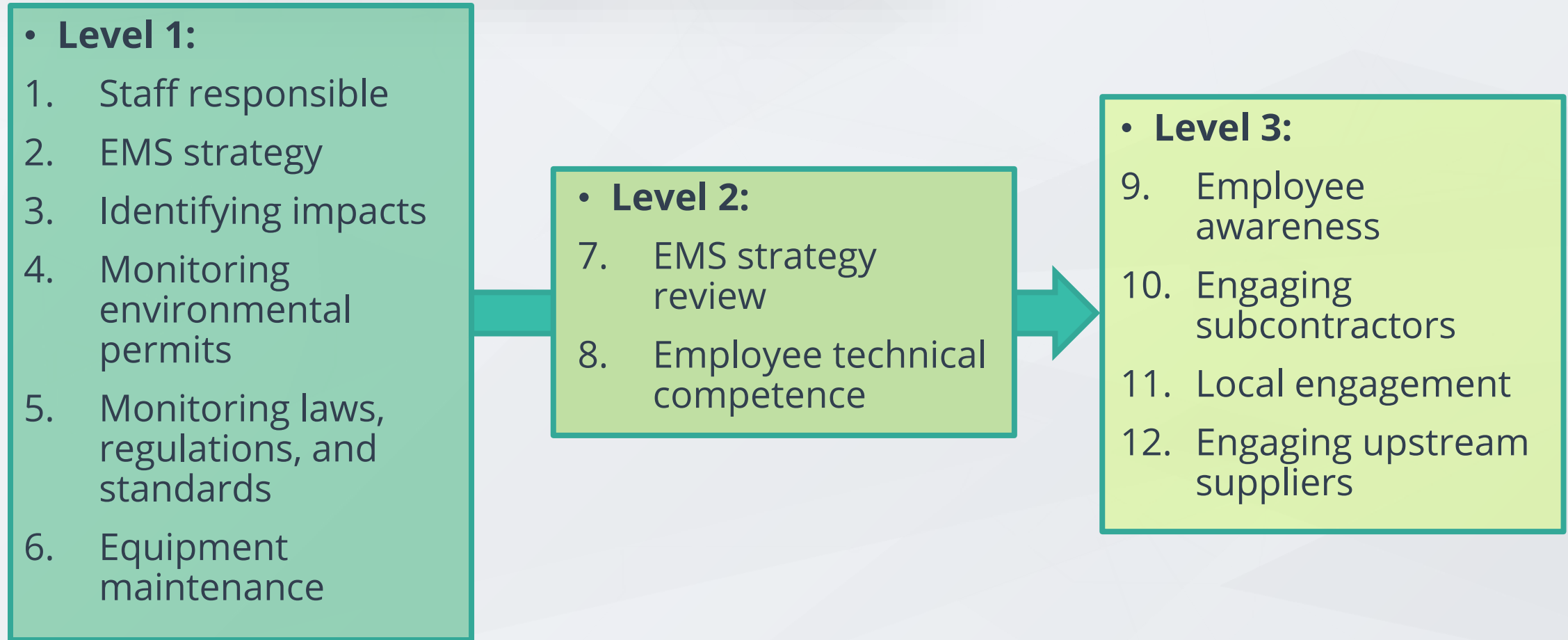


Environmental Management System (EMS)

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Environmental Management System



Source: How to Higg Guide 3.1

Environmental Management System

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- **Level 1:**

Q1. Staff responsible

Question:

- Are one or more employees at your facility responsible for coordinating your facility's environmental management activities?



Source: How to Higg Guide 3.1

Environmental Management System

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- **Level 1:**

Q2. EMS Strategy

Question:

- Does your facility have a company environmental management strategy that guides long-term decision-making on environmental management?



Source: How to Higg Guide 3.1

Environmental Management System

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- **Level 1:**

Q3. Identifying impacts

Question:

- Has your facility identified the significant environmental impacts associated with current operations within the factory premises?



Source: How to Higg Guide 3.1



Energy and GHG

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Energy and GHG- According to Higg Guide

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- Track all energy and fuel sources
- Identify factors **contributing most** to energy use on site
- Set absolute or **normalized baseline** for energy use
- Set absolute or **normalized targets** for energy reduction
- Action plan
- Demonstrate **energy reductions against baseline**



Source: How to Higg Guide 3.1



• **Level 1:**

1. Tracking energy sources

• **Level 2:**

2. Energy baselines
3. Energy intensive processes or operations
4. Energy targets
5. Improvement plan
6. Demonstrated improvements

• **Level 3:**

7. Scope 3 emissions

Source: How to Higg Guide 3.1

Energy and GHG – Level 1

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- **Level 1:**

Q1. Tracking energy sources

Requirement:

- Select all sources of energy for your facility



Source: How to Higg Guide 3.1

Energy and GHG – Level 2

- **Level 2:**
Q2. Energy baselines

Question:

- Has your facility set baselines for energy use?



* 2. Has your facility set baselines for energy use? If yes, select all sources of energy for which your facility has set a baseline.

	Have you set a baseline for this source?	Is the baseline absolute or normalized?	What is the baseline quantity?	Unit of Measure	Enter the baseline year	How was your baseline calculated?	Was the baseline verified?
Electricity (purchased)	Yes	Normalized	100	kWh	2016	Dividing with produ	Yes

Source: How to Higg Guide 3.1

Chemicals Management

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- Inventory (Q1)
- SDS (Q2)
- Training (Q3)
- Spill and emergency response plan (Q4)
- Selecting and buying chemicals (Q7)



Questions & Discussion

30 Years of Professional Experience

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Karin Ekberg, Founder & CEO

- 30 years of extensive work experience to **improve performance** at corporate strategic level and at facility level

Areas of Expertise

- Sustainability – environment, social, business ethics & corporate governance
- Materiality, Business case, Strategy development & implementation
- Value chain and business integration of Sustainability
- Manufacturing sustainability & Sustainable supply chain management



Higg Index VERIFIER

Higg Facility Environmental Module

EXPIRES 2020-05-02

Higg Index CHEMICAL SPECIALIST
Ø ZDHC VERIFIER

Higg Facility Environmental Module

EXPIRES 2020-05-02

Higg Index TRAINER WITH
VERIFICATION SPECIALTY

Higg Facility Environmental Module

EXPIRES 2020-05-03

Higg Index TRAINER

Higg Facility Environmental Module

EXPIRES 2020-05-03

Karin was awarded the **Higg Index Verification Leadership Award** at the SAC full member meeting in Barcelona, 2019.



Materiality Assessment & Strategies

- Value chain approach
- Materiality assessment over the value chain
- Brand module benchmarking
- Strategy development
- Business cases



Materials & Products

- Create a standard for materials
- Design for environment
- Product portfolio strategy
- Create brand policies to include restricted substances & animal welfare etc.



Supply Chain & Facilities

- Higg FEM verification
- Supply chain mapping / strategy
- Chemicals management & implementation according to „ZDHC protocol“
- Good manufacturing practices
- KPIs & performance improvements



Workshops & Trainings

- Higg FEM training
- Supplier training
- Designer training
- Training on sustainability & environmental impacts
- Training on sustainability strategy

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