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The Science of Finishing

EIM DATA AND POSSIBLE USES

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EIM

The first

Environmental Impact Measuring

software specific for the garment finishing industry.

To individually asses environmental impact of the processes done during garment processing

WHAT WE MEASURE

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1 Assess the environmental impact in 4 individual categories:

2 Benchmark the results against a define Environmental Threshold

Water Consumption	From 0 to 35 l/garment From 35 to 80 l/garment Above 80 l/garment
Energy Consumption	From 0 to 2 Kw.h/garment From 2 to 4 Kw.h/garment Above 4 Kw.h/garment
Chemical Impact	From 0 to 25 From 26 to 50 Above 50
Worker Health	From 0 to 10 From 11 to 30 Above 30

3 It classifies the Process depending On the EIM score

0-33 LOW IMPACT

34-66 MEDIUM IMPACT

+66 HIGH IMPACT

Process outline

a

Process details

To clearly see the major cause of the environmental hazards for moving towards a more environmentally friendly process.

b

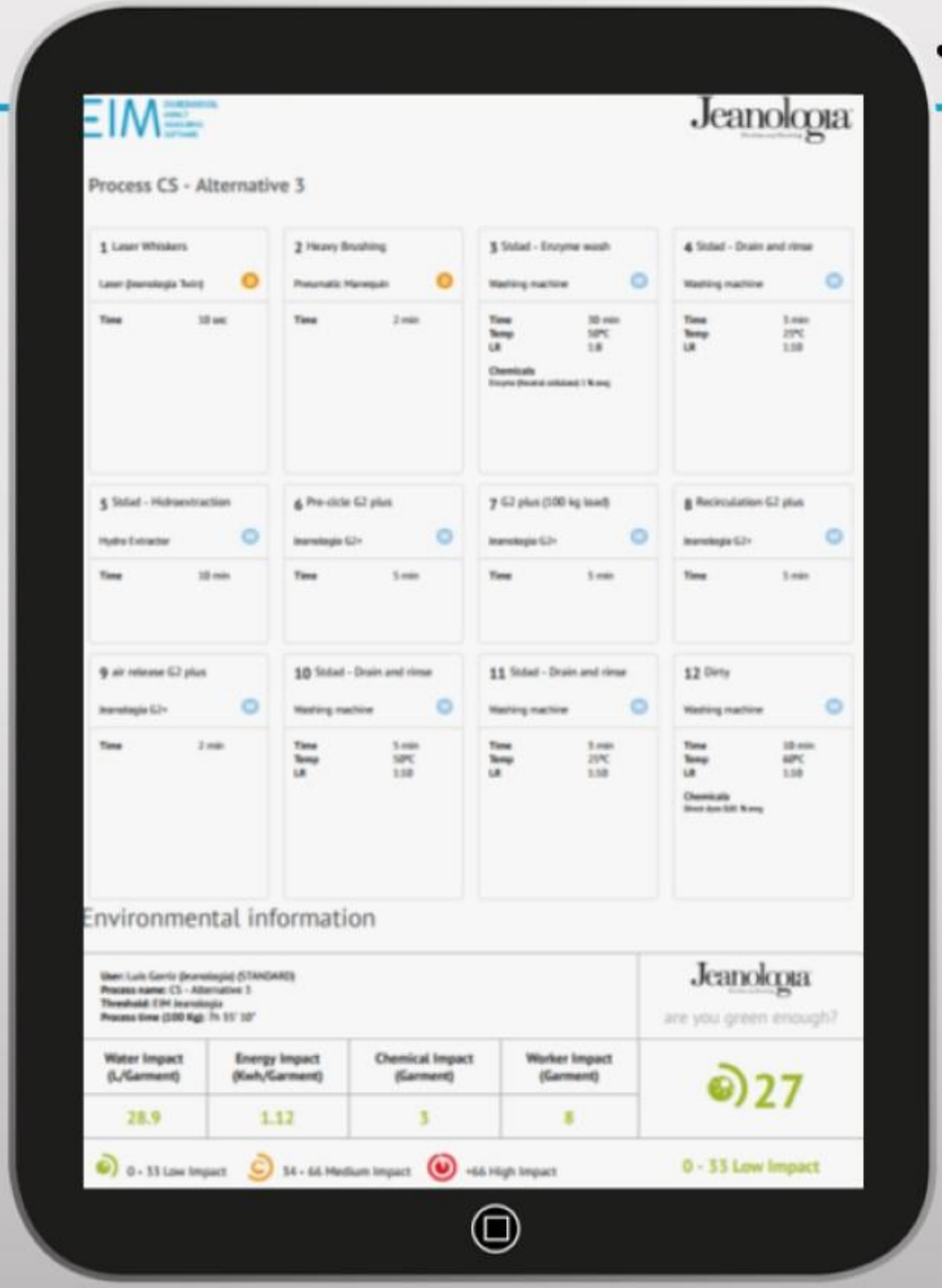
The Environmental information

Detailed on the 4th impact categories

c

Impact classification and EIM score

following the Selected Environmental Threshold.



EIM – CALCULATING TOTAL CONSUMTION PER STYLE

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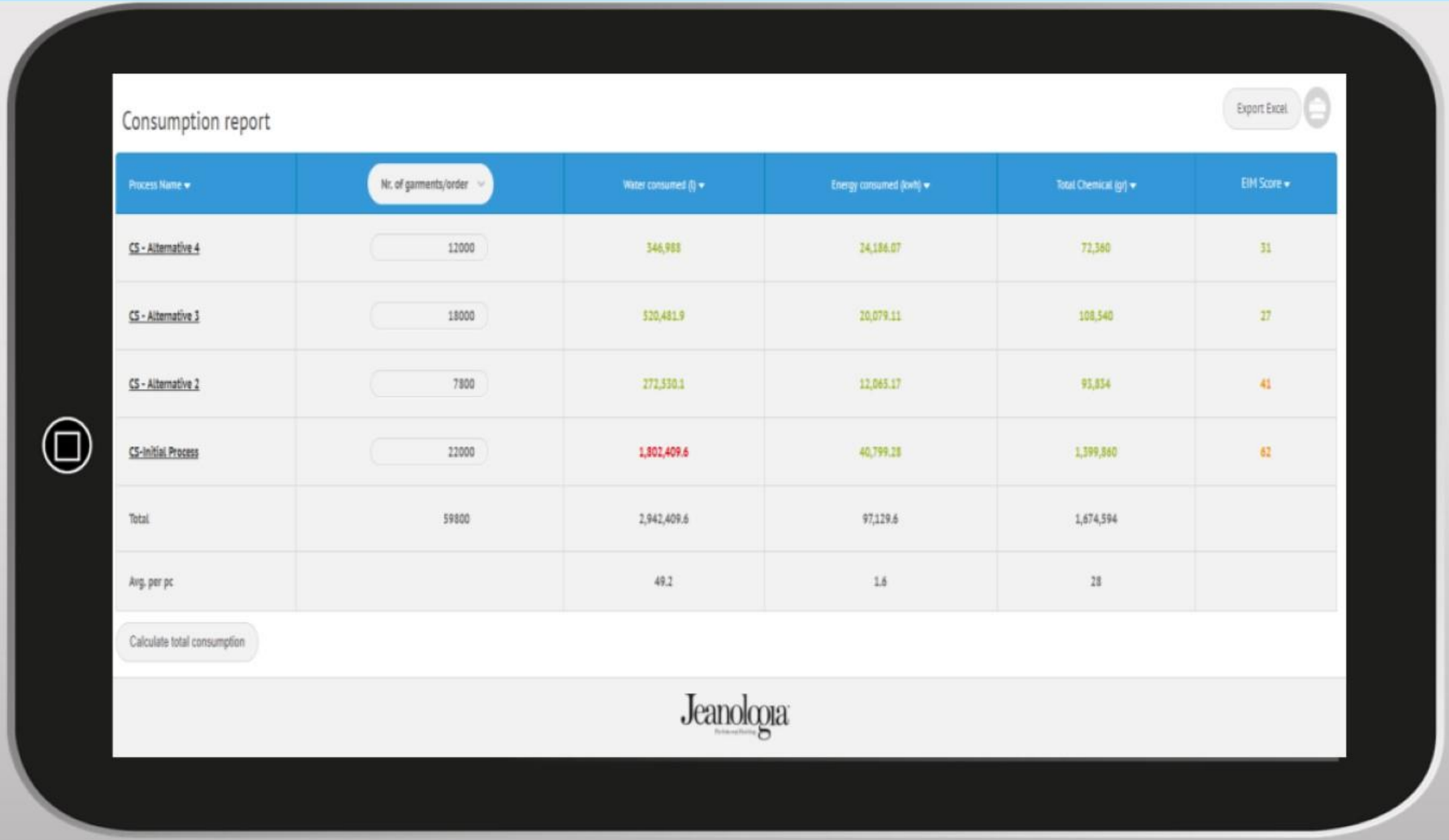

Consumption report

Export Excel

Process Name	Nr. of garments/order	Water consumed (l)	Energy consumed (kwh)	Total Chemical (gr)	EIM Score
CS - Alternative 4	12000	346,988	24,186.07	72,360	31
CS - Alternative 3	18000	520,481.9	20,079.11	108,540	27
CS - Alternative 2	7800	272,530.1	12,065.17	93,834	41
CS-Initial Process	22000	1,802,409.6	40,799.28	1,399,860	62
Total	59800	2,942,409.6	97,129.6	1,674,594	
Avg. per pc		49.2	1.6	28	

Calculate total consumption

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EIM – SOME OF THE USERS

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H&M
JACK AND JONES
LINDEX
M&S
TESCO
VARNER GROUP
DEWHRIST
G-STAR

TOMMY HILGHFIGHER
CALVIN KLEIN
TARGET
THE GAP
OLD NAVY
BANANA REPUBLIC
AEO
(...)

EIM – SOME OF THE USES

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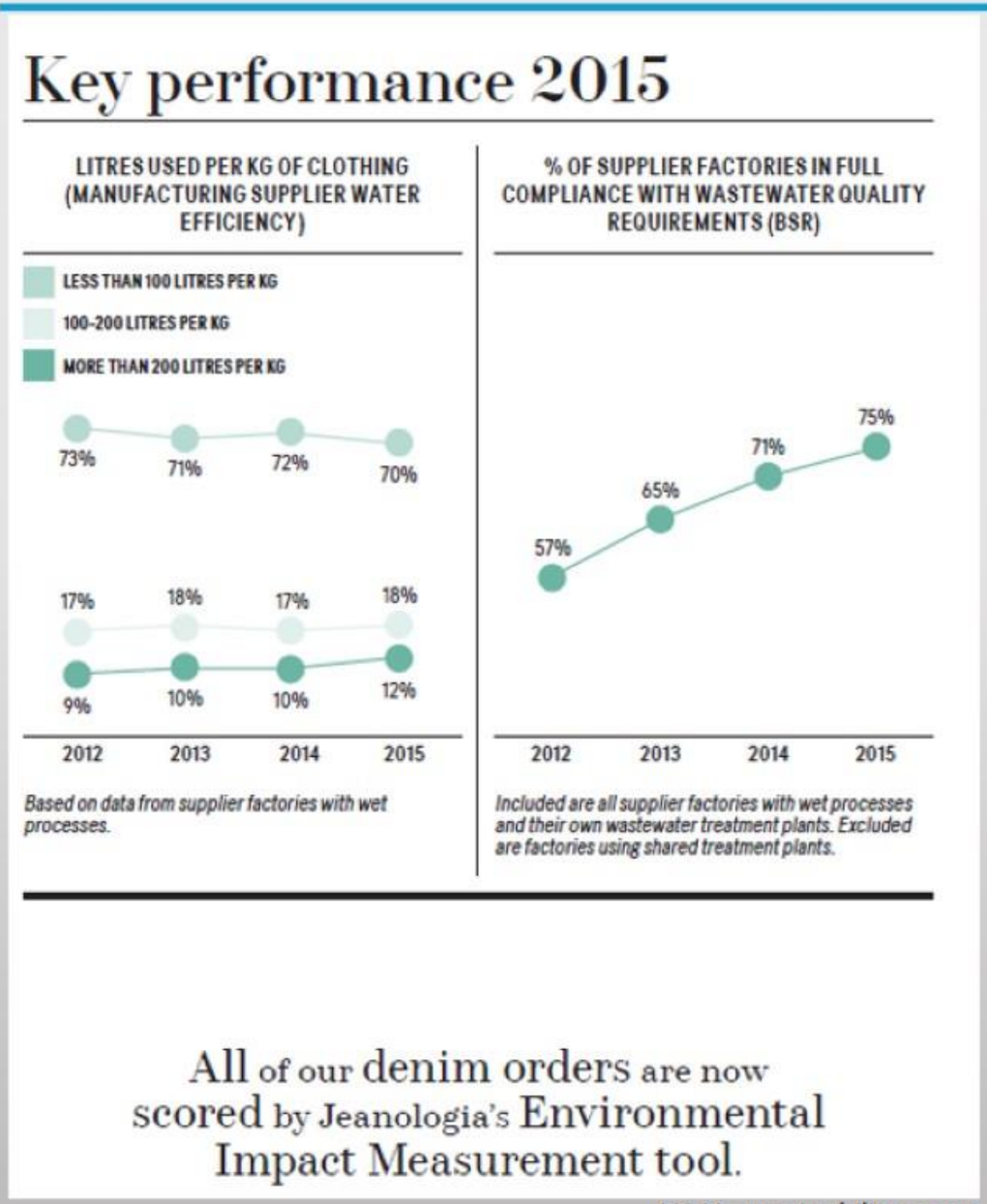

H&M sustainability report

A COMON LANGUAGE TO:

DEFINE TARGETS

FOLLOW ACTIONS

QUANTIFY IMPROVEMENTS

AND MUCH MORE…

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Process data gathering

Based on total anual produciton of each Style

Have exact data, measured following a common and industry well accetep tool (*).

- Water: Total quantity of water consumed in production (by style/units)
- Energy: Total quantity of energy consumed in production
- Chemicals: Total quantity of chemicals used in production
  Information on chemicals used in production.

- Classify process environmental footprint according to known industry metrics
- Set targets to reduce and improve footpring Finishing processess
  - Through process optimisation
  - Through introduction of Laundry technologies
  - Through water reciclyng and use of renewawle energy
- Monitor environmental footprint improvements over the years
- Comunication (internal and external (within supply chain and to final consumer)
- Identify needs for improvement

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Thank you!

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