



**assomac**

NATIONAL ASSOCIATION MANUFACTURERS  
OF FOOTWEAR, LEATHERGOODS  
AND TANNERY TECHNOLOGIES

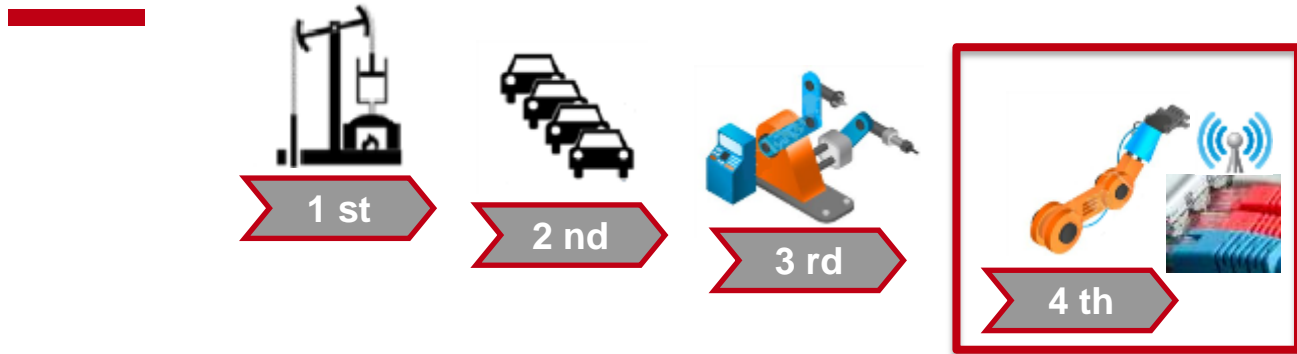
**GMP overview APLF HK 2018**

**MANUFACTURING** INDUSTRY **PROSPECTIVE**





# INDUSTRY background

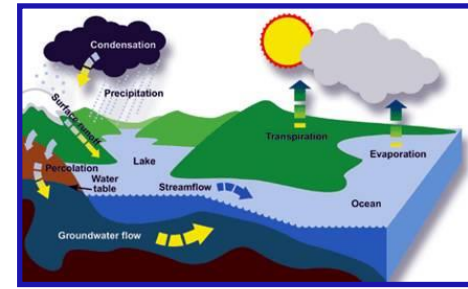


## INDUSTRY 4.0



## MANAGEMENT POLICY





### CONSTRAINT:

- Restriction; regulations (REACH)
- Product requirements; (BRAND/OEM)



### CONSUMES:

- Water preservation
- Treatment and recycling



### CLIMATE CHANGE :

- Process efficiency
- Carbon footprint

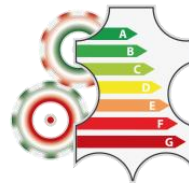




### COMMUNITY:

- ❖ Labor (risk assessment)
- ❖ Social (Circular Economy)





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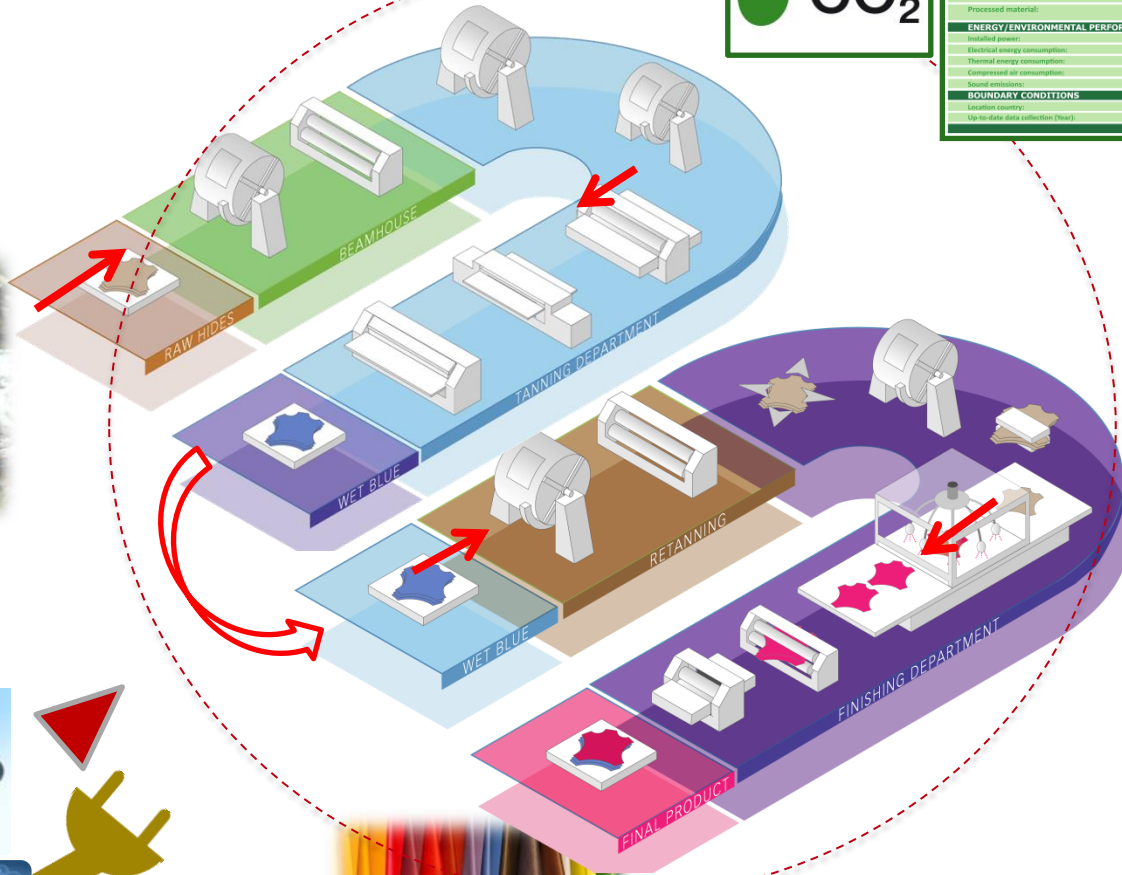
**I** ntuitive interface  
**N** etworking into process chain  
**D** ata exchange/communication  
**U** ser friendly, reproducible  
**S** erviceable, predictive maintenance  
**T** raceability of productions  
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**Y** ield/performance and quality

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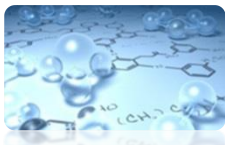




# Why GMP in tannery



GREEN LABEL OF	
<b>PRODUCT DESCRIPTION</b>	
Commercial name:	
Product type:	
<b>WORK CYCLE</b>	
Short process description:	
Processed material:	
<b>ENERGY / ENVIRONMENTAL PERFORMANCES</b>	
Installed power:	
Electrical energy consumption:	
Thermal energy consumption:	
Compressed air consumption:	
Sewer effluents:	
<b>BOUNDARY CONDITIONS</b>	
Location country:	
Up-to-date data collection (Year):	
<b>CARBON FOOTPRINT</b>	
kg of CO <sub>2</sub> eq./Upper pair	
<b>CARBON FOOTPRINT</b>	
N.A. kg of CO <sub>2</sub> eq./Upper pair	
Process (version):	



30-40 m3 waste water  
 450-550 Kg solid waste  
 200 – 250 kg COD  
 80-100 kg BOD



NATIONAL ASSOCIATION MANUFACTURERS OF FOOTWEAR, LEATHERWOODS AND TANNERY TECHNOLOGIES

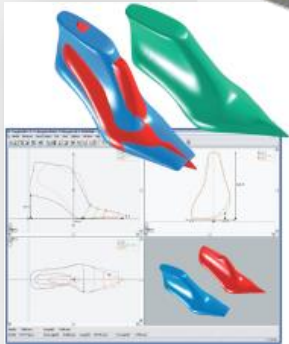
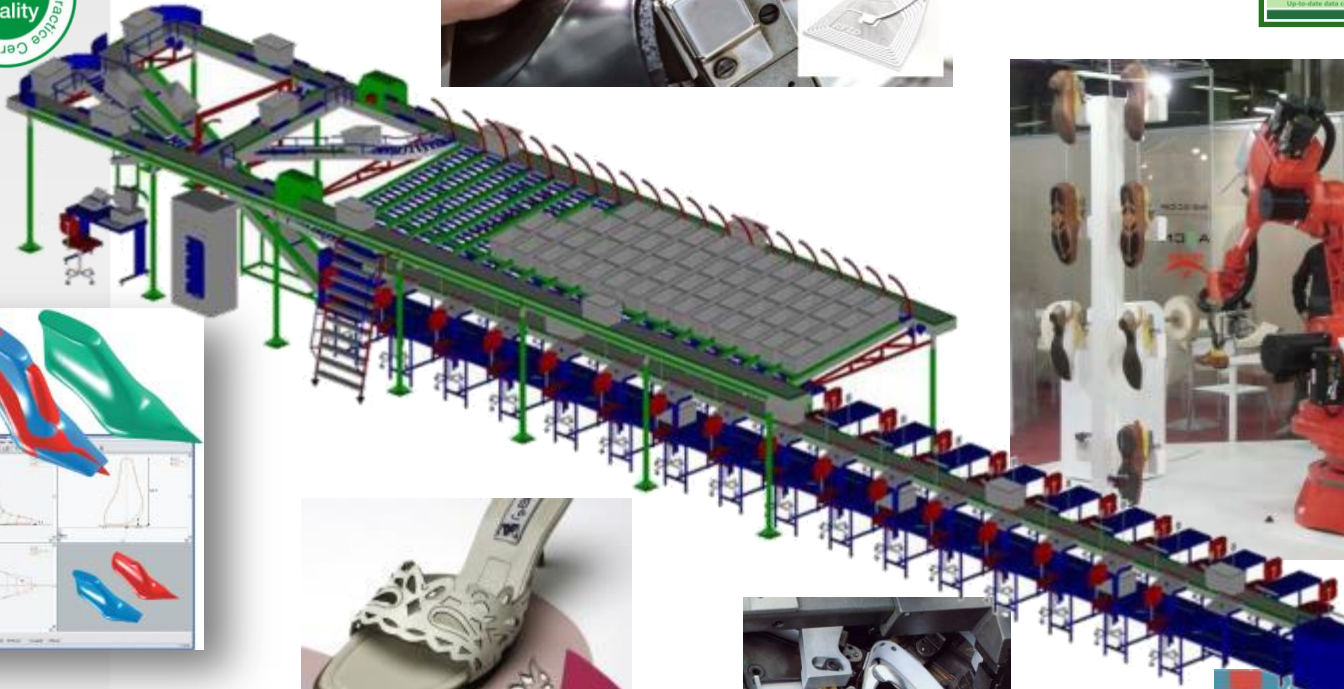




# Why GMP in footwear



GREEN LABEL OF	
<b>PRODUCT DESCRIPTION</b>	
Commercial name:	
Product type:	
<b>WORK CYCLE</b>	
Short process description:	
Processed material:	
<b>ENERGY / ENVIRONMENTAL PERFORMANCES</b>	
Installed power:	<b>CARBON FOOTPRINT</b> kg of CO <sub>2</sub> eq./Upper pair
Electrical energy consumption:	
Thermal energy consumption:	
Compressed air consumption:	
Sound emission:	<b>CARBON FOOTPRINT</b> N.A. kg of CO <sub>2</sub> eq./Upper pair
<b>BOUNDARY CONDITIONS</b>	
Location country:	
Up-to-date data collection (Year):	



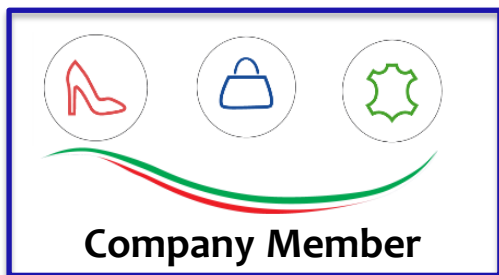
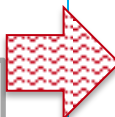
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NATIONAL ASSOCIATION MANUFACTURERS OF FOOTWEAR, LEATHERWOODS AND TANNERY TECHNOLOGIES

# VOLUNTARY LABELING



## ATTESTATO DI CONFORMITÀ STATEMENT OF CONFORMITY

RINA SERVICES S.p.A., sulla base delle valutazioni condotte, attesta che  
*RINA SERVICES S.p.A., on the basis of the assessments carried out, declares that*

**il processo di rilascio della targa verde "Green Label"**  
*the process for the issue of the "Green Label"*

*predisposto dall'organizzazione  
drawn up by the organisation*

**ASSOMAC**

**Associazione Nazionale dei Costruttori di Macchine e Tecnologie per il Settore Pelle**  
**Via Matteotti, 4/a – 27029 VIGEVANO (PV)**

*è conforme ai requisiti del seguente documento di riferimento  
complies with the requirements of the following reference document*

**Regolamento di Attuazione del progetto "Supplier of Sustainable Technologies" Ottobre 2017**  
**Project Implementation Rules "Supplier of Sustainable Technologies"**  
**October 2017**

*In allegato è riportato l'elenco delle organizzazioni aderenti al progetto e l'indicazione di quelle oggetto di campionamento*

*The list of companies participating in the project and those sampled can be found in the attachment*

*Il certificato sarà oggetto di revisione ogni qualvolta durante le verifiche di sorveglianza, il campione sarà esteso ad ulteriori organizzazioni*

*The certificate will be subject to amendment whenever, during the surveillance audits, the sample is extended to cover additional organisations*

Data di rilascio/Date of issue: 21/12/2017

Data di emissione corrente/Date of current emission: 21/12/2017

Laura Severino  
Sustainability & Climate Change Manager

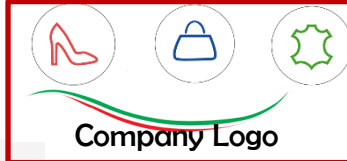


## CARBON footprint:

- Process efficiency
- Impact on climate change

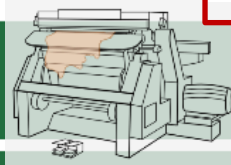


## GREEN LABEL OF



### PRODUCT DESCRIPTION

Commercial name:  
Product type:



### WORK CYCLE

Short process description:



Processed material:

### ENERGY/ENVIRONMENTAL PERFORMANCES

Installed power:

Electrical energy consumption:

Thermal energy consumption:

Compressed air consumption:

Sound emissions:

} kW

Nm<sup>3</sup>

dB(A)

### BOUNDARY CONDITIONS

Location country:

Up-to-date data collection (Year):

20XX

**Y,XXX** CARBON FOOTPRINT  
kg of CO<sub>2</sub> eq./Upper pair



*The Carbon Footprint value refers only to the real use of the machine / plant (production and end-of-life phases of the machine / plant are not considered) and measured through Life Cycle Assessment methodology*

CARBON FOOTPRINT  
N.A. kg of CO<sub>2</sub> eq./Upper pair  
*Previous Green Label*

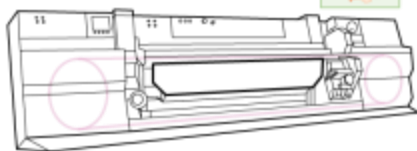
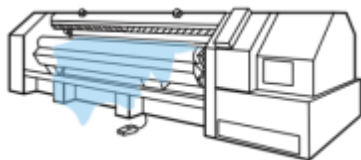
**LCA**



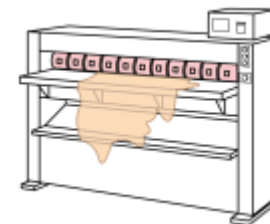
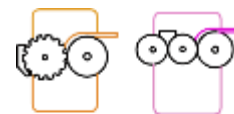
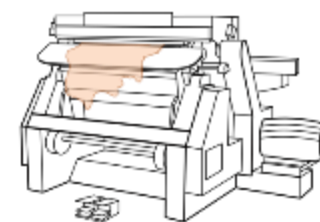




# Members

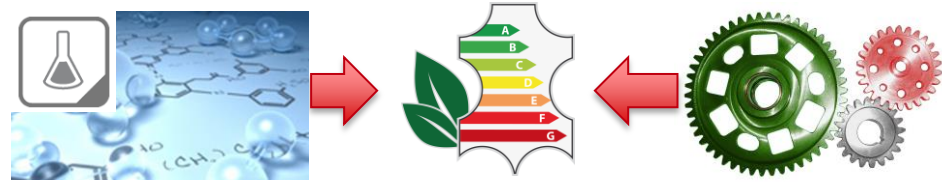






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# Project prospect



1° step  
2018

## CLIMATE CHANGE :

- Process efficiency
- Carbon footprint



## CONSUMES:

- Water preservation
- Treatment and recycling



## CONSTRAINT:

- Restriction; regulations (REACH)
- Product requirements; (BRAND/OEM)



## COMMUNITY:

- ❖ Risk assessment
- ❖ Circular Economy



**CONSUMES**



**WATER footprint:**

- Water preservation
- Treatment and recycling



INDUSTRIAL MANUFACTURING

**ISO 14046 STANDARD - WATER FOOTPRINT VERIFICATION**



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**water footprint network**

<http://waterfootprint.org/en/about-us/>



## TOXICITY:

- Restriction; regulations (REACH)
- Product requirements; (BRAND/OEM)

### REACH



**REACH** is a regulation of the European Union, adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals, while enhancing the competitiveness of the EU chemicals industry. It also promotes alternative methods for the hazard assessment of substances in order to reduce the number of tests on animals.

**Over 100000 chemicals 10000 companies 180 SVCH**

**31 Maj 2018 registration dead line**  
**1 - 100 ton/Y *production or importation***



**Biocidal Products Regulation**  
 (BPR, Regulation (EU) 528/2012)  
 concerns the placing on the market and use of biocidal products, which are used to protect humans, animals, materials or .....



**The Prior Informed Consent Regulation** (PIC, Regulation (EU) 649/2012) administers the import and export of certain hazardous chemicals and places obligations



**The CLP Regulation** ensures that the hazards presented by chemicals are clearly communicated to workers and consumers







# SUPPLY CHAIN



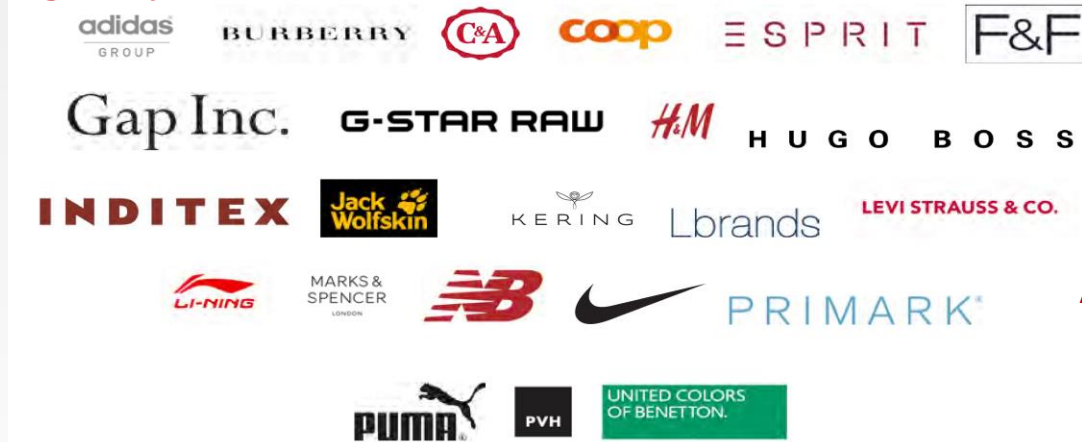
## TOXICITY:

- Restriction; regulations (REACH)
- Product requirements; (BRAND/OEM)

181 SVHC  
«Very Higt Concer»



### Signatory brand



### Value Chain Affiliates



### Associates



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# COMMUNITY



European Standards are under the responsibility of the European Standardisation Organisations ([CEN](#), [CENELEC](#), [ETSI](#)) and can be used to support EU legislation and policies.

*any industrial organization should:*

- **SAFETY MANAGER**
- **SERVICE OF EMERGENCY**
- **RISK ASSESTMENT DOCUMENT,**
- **TRAINING and INFORMATION**
- **MEDICAL ADVISE SERVICE**



## COMMUNITY:

- ❖ Labor (risk assessment)
- ❖ Social (Circular Economy)



## Sustainability Balance



**The Global Reporting Initiative (known as GRI)** is an international independent standards organization that helps businesses, governments and other organizations understand and communicate their impacts on issues such as climate change, human rights and corruption.

<https://www.globalreporting.org>



The screenshot shows the GRI website homepage with a navigation bar (INFORMATION, STANDARDS, SERVICES, NETWORK), a search bar, and a main banner for the 'GRI Disclosure Review Service'. Below the banner are sections for 'FEATURED REPORTS', 'GRI STANDARDS', and 'NEW TO REPORTING?'. The footer contains four columns: 'USEFUL PAGES', 'WHO WE ARE', 'GRI NEAR YOU', and 'WORKING TOGETHER'.







# Thanks for your attention



## ASSOMAC



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