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Traceability in the leather value chain

Purposes and Goals:
Quality Improvement

Farm → Slaughter → Stock & Transport → Tanning → Finishing → Product assembly

Correction

Mapping

Diagnostic

Purposes and Goals : Risks & CSR ambitions

Deforestation

Biodiversity

Animal Welfare

Air Pollution

Water Pollution

Hazardous Chemistry / Salt

Solid Waste

Energy consumption

Water Use

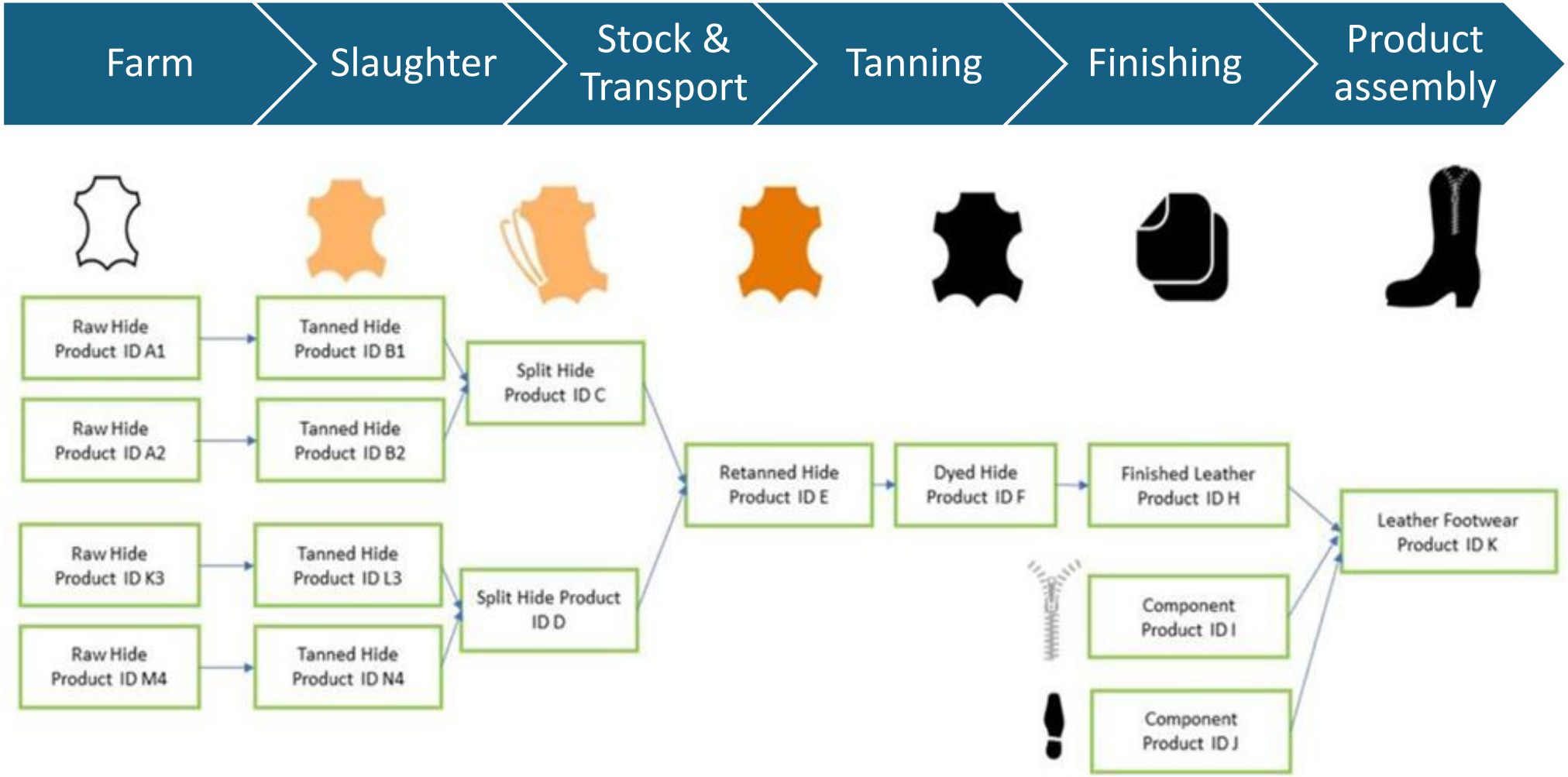
Health & Safety / PPE

Greenhouse Gas Emissions

Labour Risks

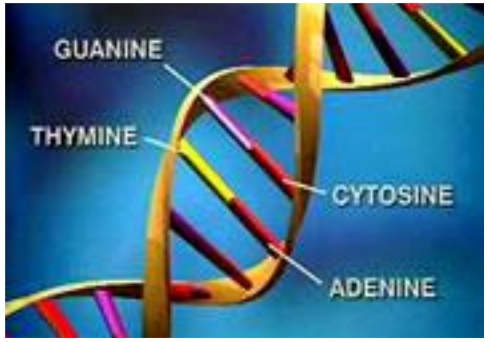
Human Rights

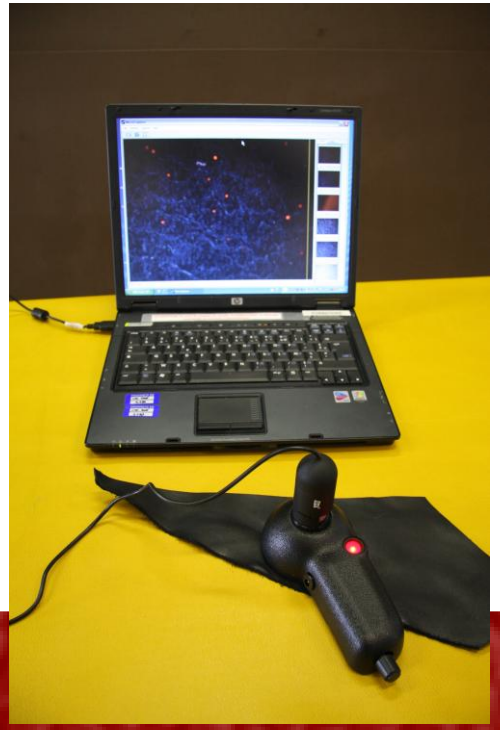
A splitted value chain

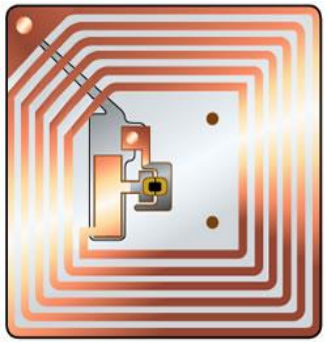


Purposes and goals for the leather value chain

CTC & Traceability: 20 years of R&D







- DNA
- TRACE ELEMENT
- RFID
- DOT MATRIX
- LASER

Automatic Leather Identification System

LASER MARKING

- ➔ High Power
- ➔ CO2

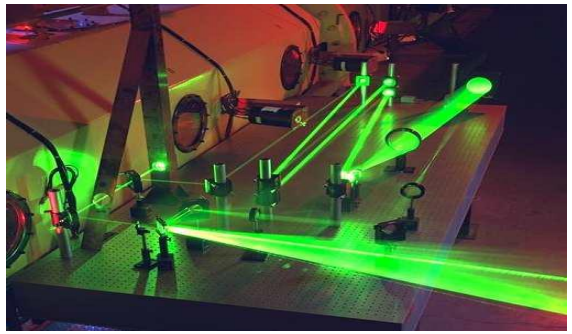
AUTOMATIC READER

- ➔ Image processing
- ➔ IA / Deep learning

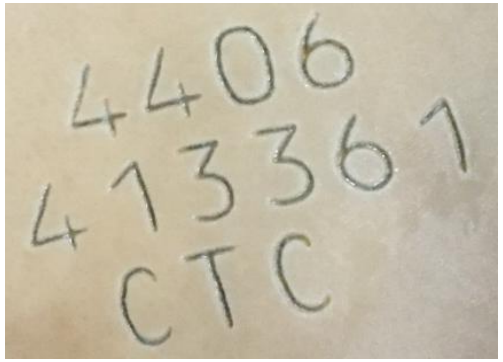
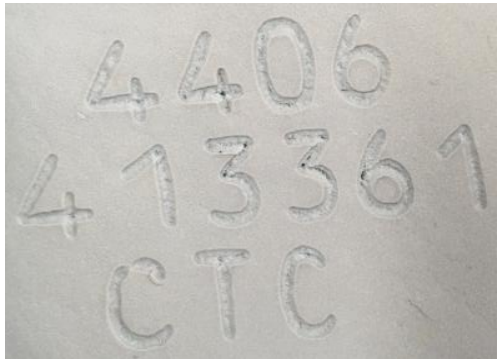
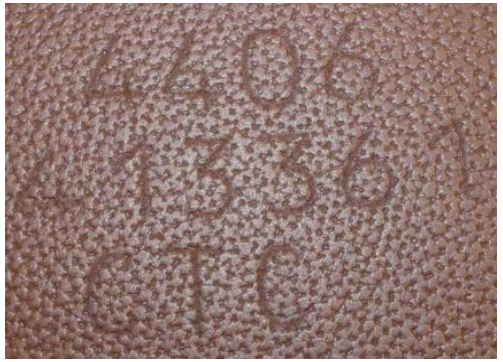
The simple way for all companies

Farm → Slaughter → Trader → Tanner

Breeding → Flaying → Salting workshop → Beamhouse



A global tracking

Salted Hides	Unhaired	Wet Blue	Semi Finish	Finish leather
				

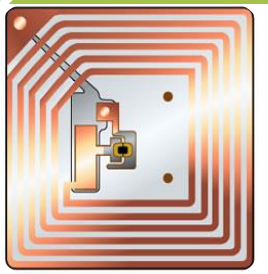
A practical solution

Tanner → Manufacturer

Wet-Blue Sorting → Crust → Finishing → Control → Cutting

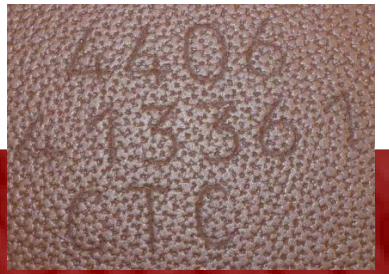
Automatic Reader

RFID



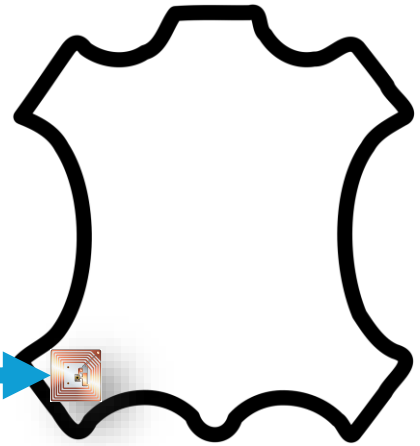
Finishing➔ marking covered :

- Grain
- Brightness
- Multiple layers

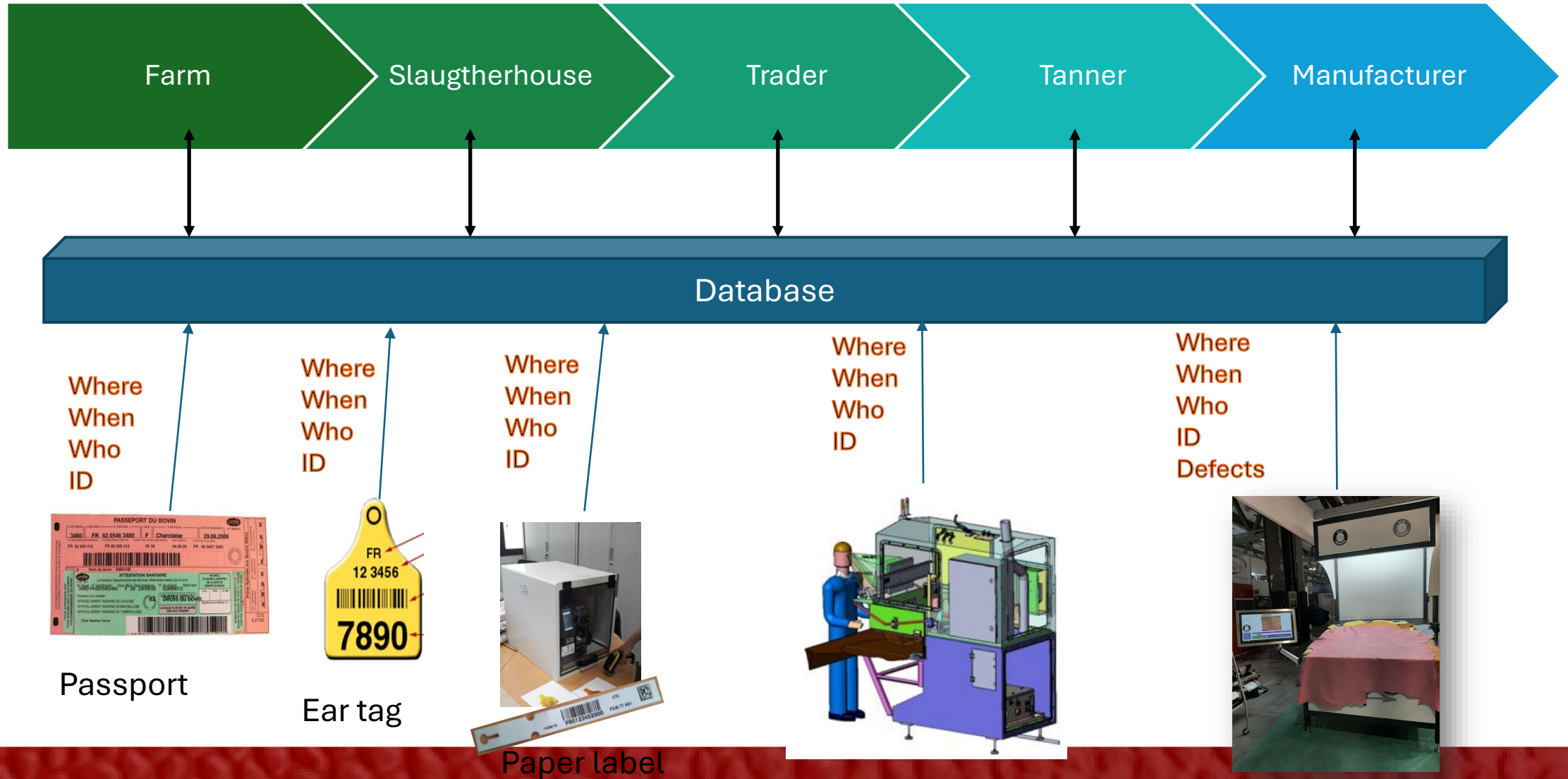


How to get further: RFID

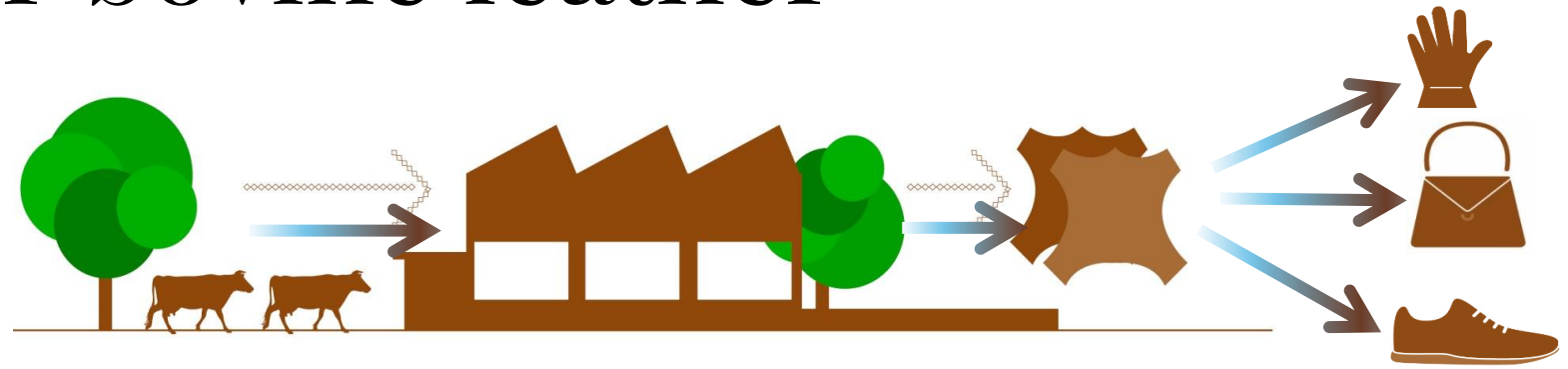
- Automatic Reading in Crust stage
- Create a link between the RFID tag ID and the identification number read by ALIS Reading
- Stick the RFID tag on the leg



What about the data?



Solution Made in CTC: deployment for bovine leather



- Robust industrial solution that has proven itself over the past 7 years
  - Safe for user: no risk from the laser or from the fume
  - Resistant in aggressive ambient
- Almost all the calf production is marked in France

Thank for your attention

Do you have questions?