



# The role of the ATF in the Circular Vehicle Regulation

IARC Antwerp  
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# In this presentation

The obligations of the new Regulation ask for performance and collaboration of both ATF and OEM for a circular result

- **What is EGARA**
- **Marc van den Brand / Henk Jan Nix**
- **Role ATFs**
- **Material reuse**
- **Ideal situation**



# **European Group of Automotive Recycling Associations**

**Since 1991**

- **Denmark, Norway, Sweden, Finland, UK, France, Poland, The Netherlands, Estonia, Switzerland, Spain, Italy, Greece, Belgium**
  - **Independent dismantler associations**
    - **Level playingfield**
  - **Lobby at governments, EC, stakeholders etc.**
  - **Exchange knowledge experience and best examples**





# **Marc van den Brand**

**Vandenbrand Automotive 1980**

**Stiba member since 1985**

**Stiba board member**

**ARN board member**

**EGARA treasurer 1991 on**

**Innovation commission ARN member 2023 on**



# **Henk Jan Nix**

**Stiba policy advisor since 1998**

**Environmental/legal affaires, vehicle  
registration, insurance issues, customer  
complaints**

**EGARA general secretary since 2007**



# **ATFs have a prominent role in the new Regulation**

- We collect and accept ELVs and reregister them (COD);**
- We take the ELV in as hazardous waste and we do the depollution as first activity, by separating hazardous waste from the ELV;**
- We remove materials for material reuse and recycling;**
- All know we sell parts for reuse;**
- We even sell parts as core for remanufacturing;**
- Dismantling of trucks and motorcycles are specialisms that already happen**





# A picture of an ELV







# A picture of ELVs







# A picture of an EELV







# A picture of depollution







# Material reuse





# About materials

- **In many cases material removal is already done on a commercial base: there's a market**
- **It's expected that the new Regulation will prescribe more material removal**
- **Will recycled content create a new market?**





# Parts reuse





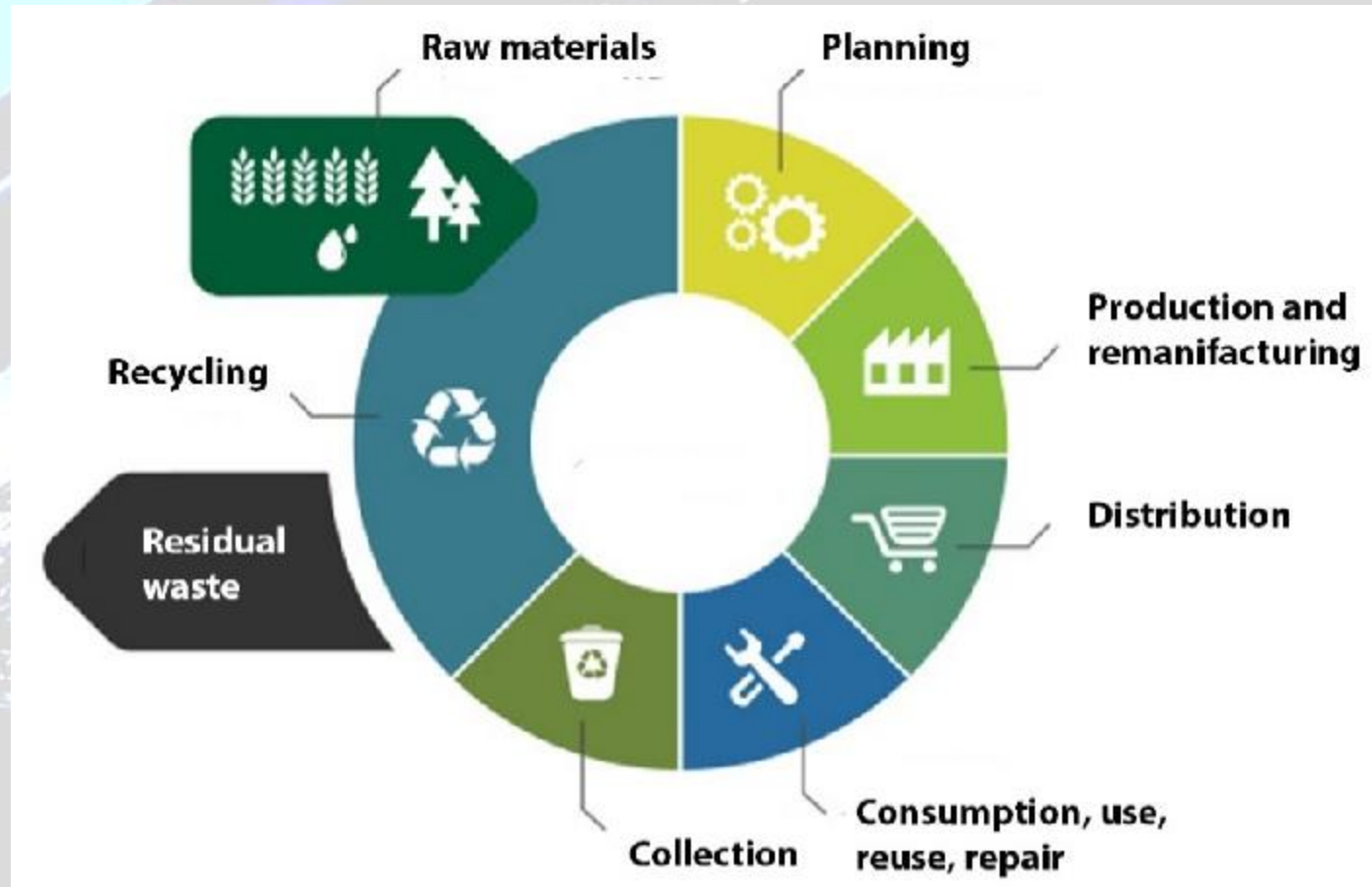
# About parts

- **Parts for reuse are taken out of ELVs by skilled mechanics;**
- **It's complicated as cars are built complex;**
- **Parts need to be assessed;**
- **Parts have digital component;**
- **Parts are taken out because there's a market;**
- **Used parts save up to 80% CO2(!).**





# New obligations





# About new obligations

- **A vehicle has to be circular;**
- **Recycled content targets means new obligations for producers;**
- **ATFs are equipped to produce a flow of clean recyclable mono streams;**
- **ATFs can do this for the lowest costs;**
- **ATFs do this efficiently (separation at the source and organised to create volume);**
- **ATFs can do the job as long as no techniques do a better job;**
- **We will be happy to coöperate with the OEMs.**





# Conditions 1

- **ATFs need to know where the materials are (coding and info);**
- **Materials need to be removed (the easier to separate from other materials and the bigger, the more material can be removed);**
- **Collection needs to be organised (volume is important);**
- **A market is necessary (value of the materials needs to cover costs of removal and collection);**
- **Worst case means compensation of costs for certain materials.**



# Materials in a vehicle 1

**Front View Dimensions:** 835 (height), 1310 (width), 1550 (width)

**Side View Dimensions:** 1500 (height), 2400 (wheelbase), 4030 (length), 540 (height), 890 (height)

**Rear View Dimensions:** 1350 (width), 1550 (width), 540 (height), 890 (height)

**Labels and Details:**

- SCHALLDÄMPFER
- Ausführung mit Stahlschiebedach
- Ort der Fahrgestell Nr.
- Blinker
- BREMSSCHEMA
- Ort der Motor Nr.
- Rückstrahler, Deck- und Bremslicht, Blinker, Kennzeichenbeleuchtung

**Technical Specifications:**

Nummer des Versuchsplans: 20930  
 gem. § 30 Abs. 3 KFG, 1959

Finanzmäßige Typenbezeichnung: Volkswagen Type II (1300 - 40 PS)

Genehmigt  
 vom Typenamt  
 vom 29. Juli 1967

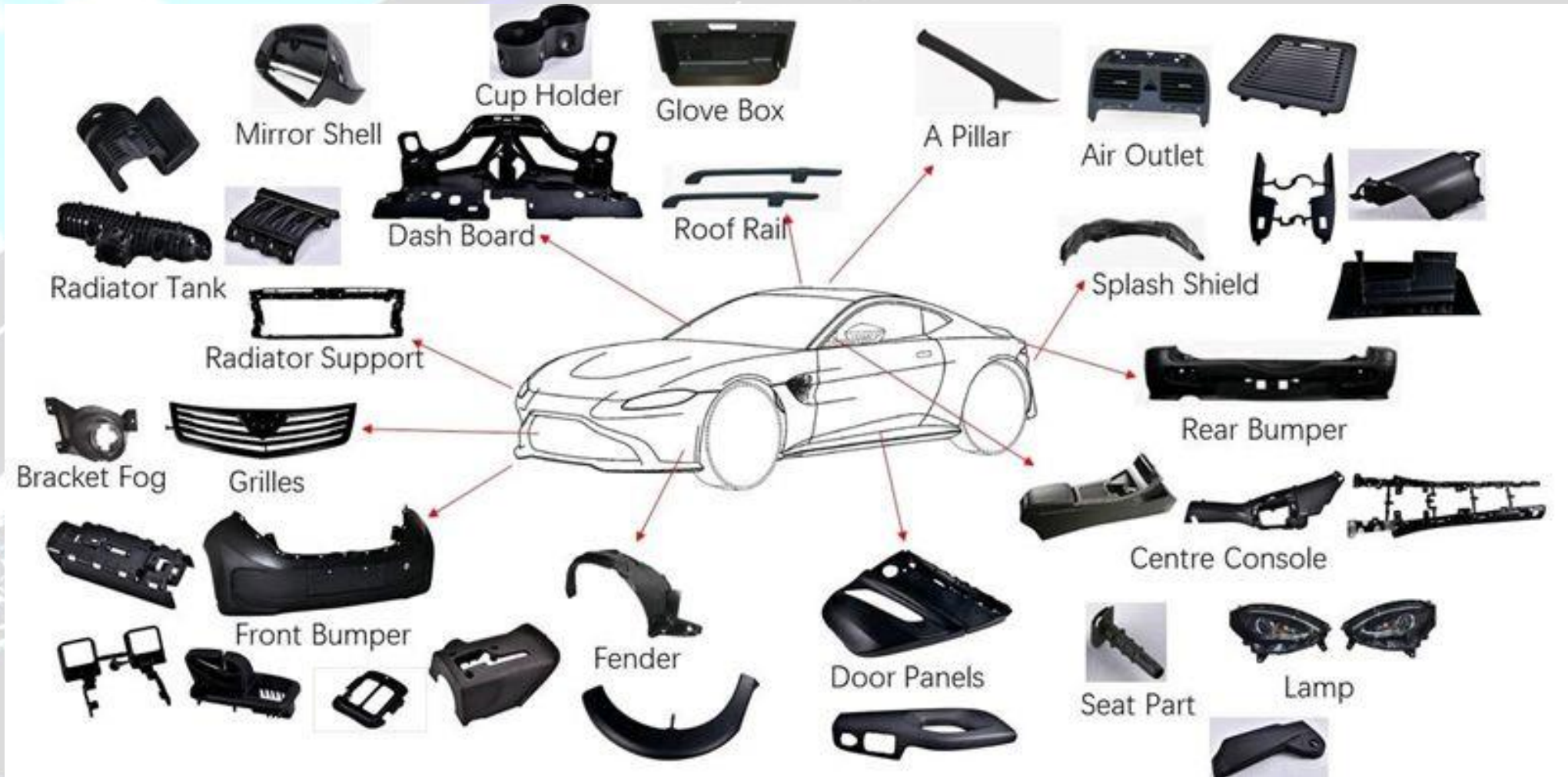
**Volkswagen Werk Wolfsburg**

Type II (1300 - 40 PS)	
Zahl	186.458 - III/20 - 1967
Prüf-Nr.	F/1327/67





# Materials in a vehicle 2





# Materials in a vehicle 3



- Steel sheet (hotformed)
- Steel sheet (coldformed)
- Aluminium sheet
- Aluminium Extrusion profile
- Cast aluminium





# Conditions 2

- **Design for recycling will be important as cars got more complex;**
- **Design for recycling will:**
  - **Make reuse of materials easier (cheaper);**
  - **Lead to a higher percentage of material reuse (higher volume);**
  - **Lead to cleaner materials for reuse (material mono streams).**



# Conclusions

- **OEMs play an important role in making circularity possible;**
- **ATFs are ready for this job;**
- **ATFs will be the easiest and cheapest solution;**
- **ATFs will be happy to take their responsibility in the new plans.**





# Thank you

[www.egaranet.org](http://www.egaranet.org)