

**Resources potential  
certification of  
demanufacturing  
facilities via the concept  
SuperDrecksKëscht®  
according to the  
standard DIN ISO 14024**

## More than an alternative to traditional recycling quotas

Demanufacturing facilities are traditionally evaluated based on recycling and recovery rates. This approach takes into account only the input flows in a recycling process, so recycling rates of > 90% are the rule rather than the exception.

As a result of this situation and the resource efficiency strategy of the European Union and its member states, the **SuperDrecksKëscht®** has developed the **concept of resources potential certification** that takes the idea of resource efficiency fully into account.

## Certified according to standard DIN EN ISO 14024

The concept of the resource potential certification of demanufacturing (recycling) facilities complies with the requirements of the standard DIN EN ISO 14024:2018 and thus enables a **transparent, comprehensible, neutral and product-related assessment** of treatment, recovery and disposal facilities. The use of this resource indicator enables the demanufacturing facilities to show the effective amounts of recovered raw materials as well as the amount of energy used or usable and thus to visualize the resource potential for saving primary resources.

For the calculation within the resources potential certification both the input and the output streams are considered. The adjacent color coding is used in the output streams.

## ZERTIFIKAT

Die Vergabe des Ressourcenpotential-Zertifikats der **SuperDrecksKëscht®** ist konform mit den Anforderungen an Umweltzeichen und -deklarationen im Sinne der Norm

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ist konform mit den Anforderungen an Umweltzeichen und -deklarationen im Sinne der Norm

**DIN EN ISO 14024**  
in Bezug auf die Prüfkriterien für die Ressourcenpotential-Zertifizierung von Rückproduktionsanlagen

Datum der Erstzertifizierung: 09.07.2018  
Datum der letzten jährlichen Überprüfung: 13.12.2023

Das Zertifikat ist gültig bis **19.02.2027**

**Zertifikatsvergabeinstelle**  
**SuperDrecksKëscht®**  
verleiht aufgrund des abgeänderten Gesetzes vom 25. März 2005 über die Funktionsweise und die Finanzierung der Aktion SuperDrecksKëscht® durch  
**Oeko-Service-Luxembourg S.A.**  
Zone Industrielle Piret  
L-7737 Colmar-Berg



**Überwachende Stelle**  
**proTerra Umweltschutz- und Managementberatung GmbH**  
**Umweltgutachter**

Am TÜV 1  
D-66280 Sulzbach

Sulzbach, den 19.2.2024

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*Manfred Mateiko*  
Dipl.-Ing. Manfred Mateiko  
Leiter der Überwachenden Stelle

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*A. Haindl*  
Dipl. Biol. Alexandra Haindl  
Umweltauditorin



# Graphical visualization - example (fictitious)

## Color coding

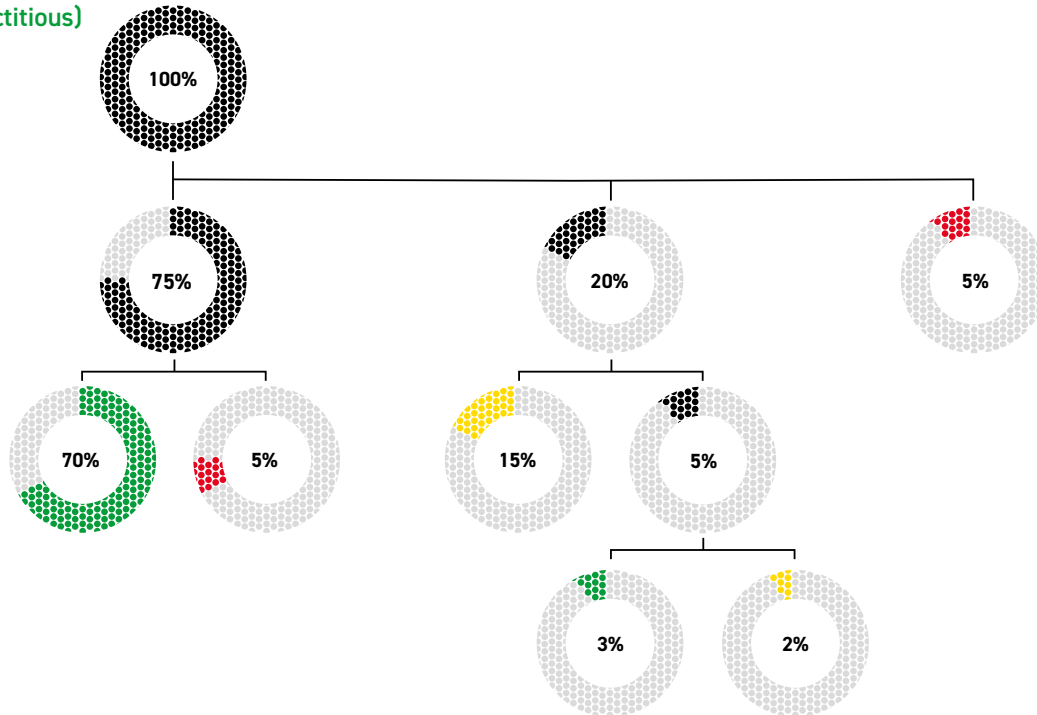
● input- and intermediate product

● Raw material use  
> preparation for reuse  
> material recycling

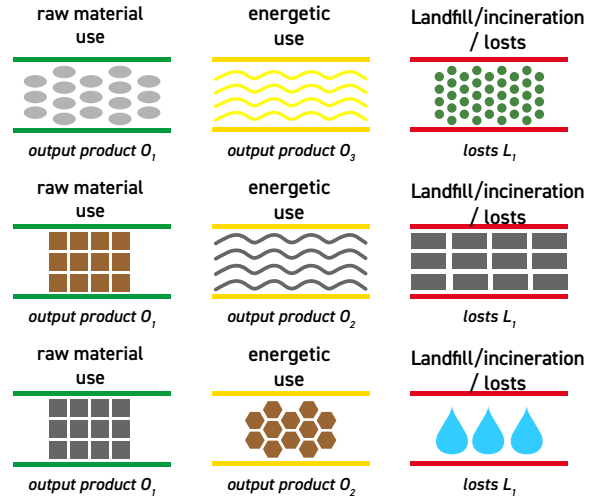
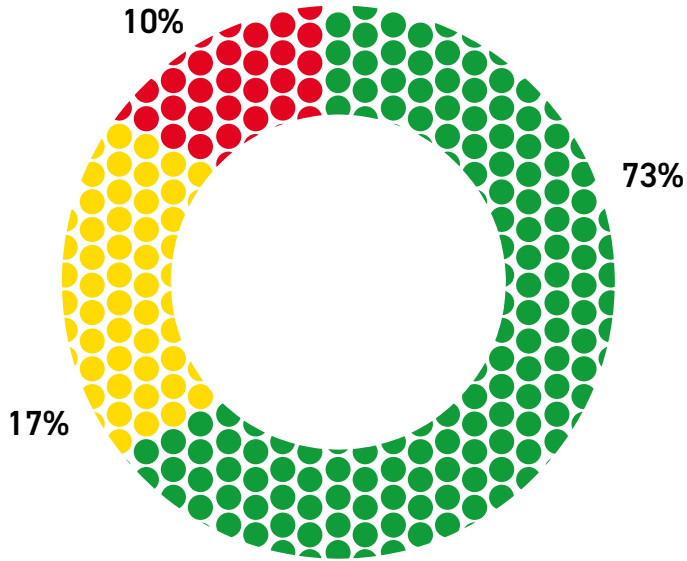
● Energetic use  
> production of a substitute fuel  
> energetic recovery

● Landfill/incineration/losses  
> landfill  
> incineration  
> losses

## Example (fictitious)




# Graphical visualization - example (fictitious)



# Advantages of the resources potential certification for demanufacturing systems

- ➡ transparent, comprehensible, neutral and product-related review of demanufacturing facilities
- ➡ demonstration of the effective amounts of recovered raw materials and energy and visualisation of the saving of primary resources
- ➡ efficient calculation tool for the evaluation of different treatment processes of recycling/demanufacturing sites
- ➡ graphical visualisation of the final output products and their valence by color coding


**SDK** RESSOURCEN  
INNOVATIONEN  
SOKALTYRENCE  
CIRCULAR ECONOMY  
**SuperDracksKäschtl®**




## Ressourcenpotential-Zertifikat

Firmenname  
Adresse 1  
Adresse 2

Die Rückproduktionsanlage erfüllt die Ressourcenpotentialvorgabe der  
**SuperDracksKäschtl®** für das Produkt xxxxxx\* Produktname.



|         |                                      |
|---------|--------------------------------------|
| 98,85 % | <b>Reststoffnutzung:</b>             |
| 1,00 %  | ● Vorbereitung zum Wiedereinsatz     |
|         | ● stoffliche Verwertung              |
|         | <b>Energetisierung:</b>              |
|         | ● Ersatzbrennstoffes                 |
|         | ● energetische Verwertung            |
| 0,15 %  | <b>Deponie/Verbrennung/Verluste:</b> |
|         | ● Deponierung                        |
|         | ● Verbrennung                        |
|         | ● Verluste                           |



**RESSOURCEN  
POTENTIAL**

Datum der Wiederholungszertifizierung: xx.xx.20xx  
Datum der Erstzertifizierung: xx.xx.20xx

Das Zertifikat ist gültig bis xx.xx.20xx. Es entspricht den Anforderungen der DIN EN ISO 14024 und verliert automatisch seine Gültigkeit bei Nicht-Einhaltung gesetzlicher Vorgaben oder Genehmigungsauflagen.

Zertifikatsnummer: DEM-SDK/LU-xxxxxx-xx.20xx-00x

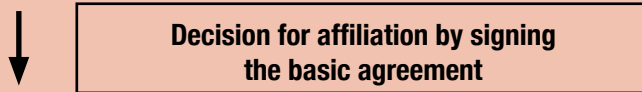
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Dr. Klaus Schu Frank Fellens

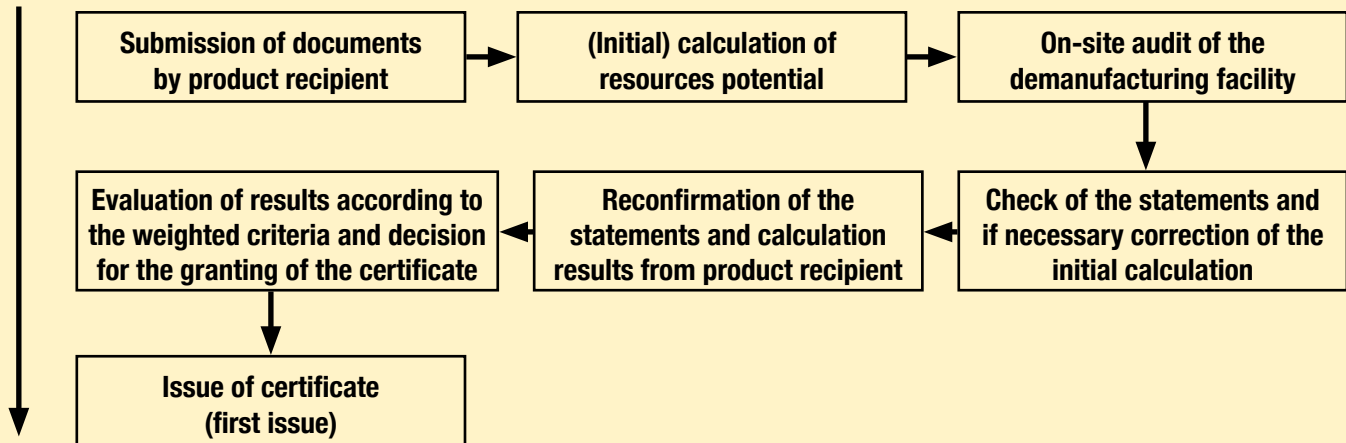
SuperDracksKäschtl® © Colas Service Luxembourg S.A. - Zone Industrielle Fleet - L-7337 Colmar-Berg -  
☎ +352 488 216 1 - www.sdk.lu - www.resourcepotential.com

## Affiliation and certification procedure

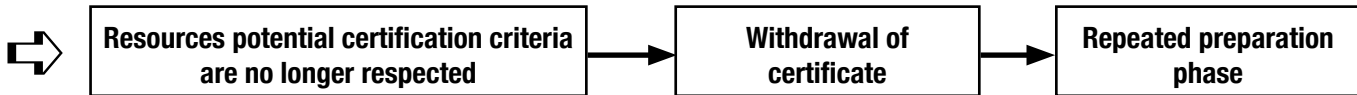
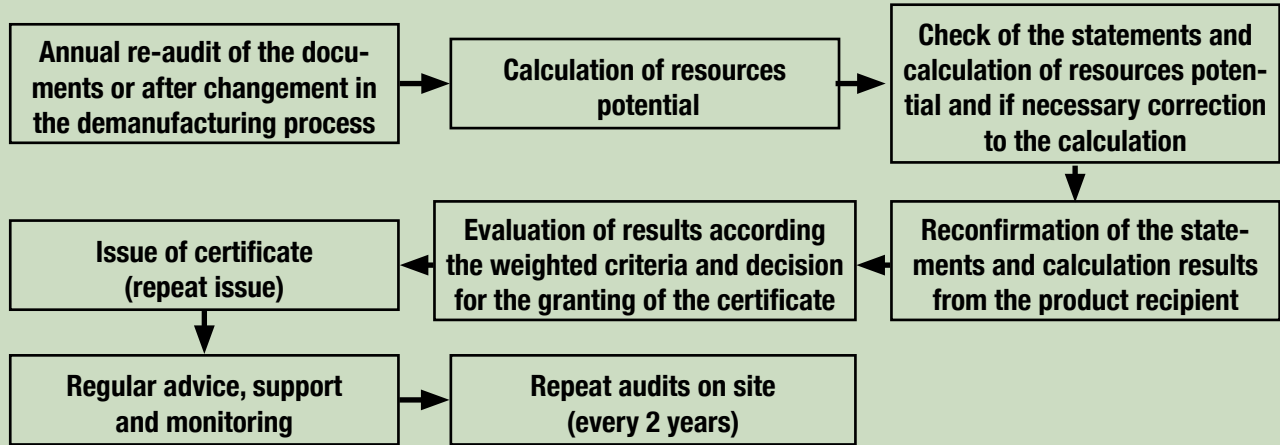
### Affiliation phase



### Preparation phase for the resources potential certification



## Certified demanufacturing plant



### ***Remark:***

- After consultation with the product recipient, the (initial) calculation of the resources potential may be done after the on-site audit (in the case of first issue).
- Concerning the repeat audits, a tolerance of 3 months is allowed.
- The criteria for the issue of the resources potential certificate are reviewed annually by the steering committee of the **SuperDrecksKëscht®** and if necessary updated.

Informations :

[www.resources-potential.com](http://www.resources-potential.com)

The **SuperDrecksKëscht**® in Luxembourg is an activity of the Ministry of the Environment, Climate and Biodiversity in cooperation with the municipalities, the Chamber of Crafts and the Chamber of Commerce in the framework of national waste management.

**Resources - Innovation - Sustainability - Circular Economy** - these four values define the activities of the **SuperDrecksKëscht**®.

The **SDK**® is a brand that has been developed as part of the Luxembourg State's waste management tasks. It is based on the strategy prescribed by the EU commission. This places prevention first, followed by preparation for reuse, recycling and any other recovery (e.g. energy recovery) and finally waste disposal.



Administration  
de l'environnement  
Grand-Duché de Luxembourg



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