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## 1.1 Why a raw material passport? – CSR driven

**Circularity** is on the "planet" theme of our CSR ambition plan 2025. Circularity means minimizing the use of scarce materials, reusing materials and reducing waste in our operations.

We have set ourselves a goal for 2025, but decided to do this step-bystep.

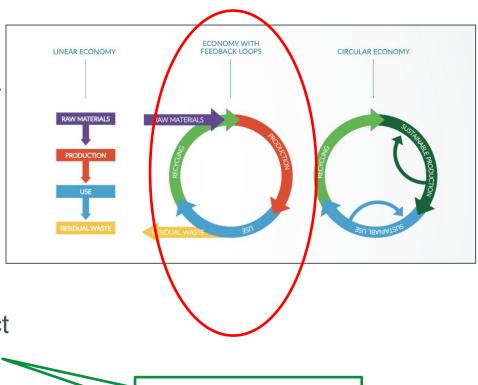


# 1.2 Circular strategy - approach

We focus on **raw materials** and **waste** to reduce our impact on material use;

 Raw materials; focus on copper because of the scarcity in the near future, impact of the ecological and social aspect in the supply chain and high dependency of our operation on copper

 Waste; we will reduce our impact on non-recyclable waste to contribute to closing the material loop



Not in scope for implementation

raw material passport



# 1.3 Starting points – agreed by CSR board Oct 2018

- Insight is the basis with which we start. At the same time, we also want to start to implement pilot projects.
- With regard to insight, we want to start by asking raw material
  passports when purchasing our strategic assets as a starting point
  to identify further sustainability opportunities.
- In addition, we want to gain 100% insight into our waste streams and what value is involved in this potential.
- Our targets will be set on base year 2020
- We will show our commitment by reducing copper use and waste with 25%, which is giving the clear signal of commitment

Ambition area	Description	Target
Circular	Circularity is minimizing use of scarce materials, reusing materials and reducing waste in our operations.	In <b>2025</b> 25% less impact on virgin copper use and non-recyclable waste.



# 1.4 Current situation as of September 2020

- Raw material passport has recently been implemented in the majority of the Dutch tenders
  - For example the recent Dutch substation tender, as well as the Dutch/German tenders for shunt reactors and power transformers
- The insight unfortunately is still rather limited, so therefore we managed to find other ways to identify the use of raw materials like copper and aluminium in offshore cables
- Nevertheless we managed to introduce measures on Climate and Nature like Nature inclusive design by the method of Environmental Cost Identicators

## 1.5 Targets



### (1) Raw material passport

For new tenders for main components; transformers, cables, conductors, switches and pylons.

## (2) 25% less virgin copper use compared to 2020 \*

Procurement ambition which will be realized by reuse, challenging the market on recycled copper use and alternatives for copper.

#### 2020



TenneT shows full transparency on her waste streams and destination (operations and projects, recycle/n-recycle)

#### 2025

(4) 25% less non-recyclable waste compared to 2020 \*

Waste ambition which will be realized by reducing waste, reuse and challenging the market



<sup>\*</sup> In 2020 the ambitions will be set, and whether they should be absolute (kg) or relative (kg/invested euro)

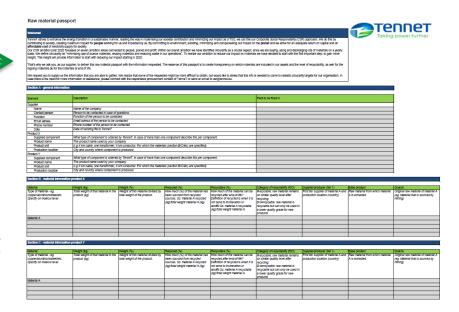


### 2. What is a raw material

passport?

### A raw material passport is;

- A document that is filled in by our suppliers
- Which specifies which materials are in his/her product
- How much of the material is recycled
- And what the recyclability is
- Next, it specifies where the material comes from
- And what the basis source is



A raw material passport gives us insight in our impact on scare materials and is essential to determine how we can take next steps, that are achievable for our suppliers.



# 3. How are we implementing the raw material passport?

### The implementation consist of three steps:

- Increase awareness and knowledge on the necessity of the raw material passport
- 2. Availability of the tools; the "raw materials passport system", way to implement it in the procurement process and clear route on what to do with "complete" passport
- 3. Asking for raw materials passport from suppliers starting Jan 2019 as information request, but not as knock-out

## 4. Future challenges



- 1. How can we prevent using more tools to register the raw material passport ("internal TenneT database" vs KSANDR application)?
- 2. TenneT specific vision: introducing not a national or even binational but a European standard, since we are based in two countries and our suppliers serve the world market



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**Taking power further** 

