

# Roadmap Plus

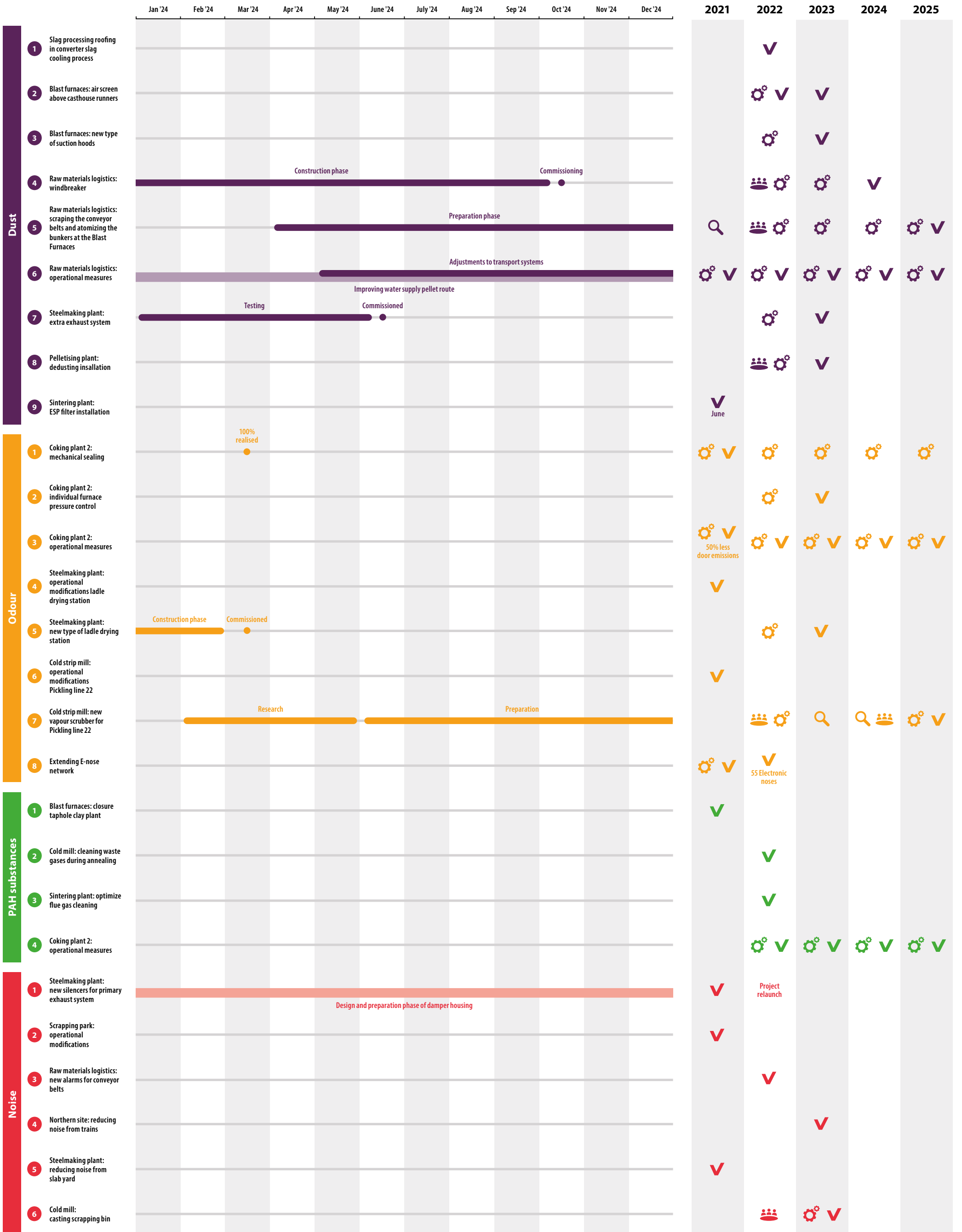
We're advancing towards a better living environment

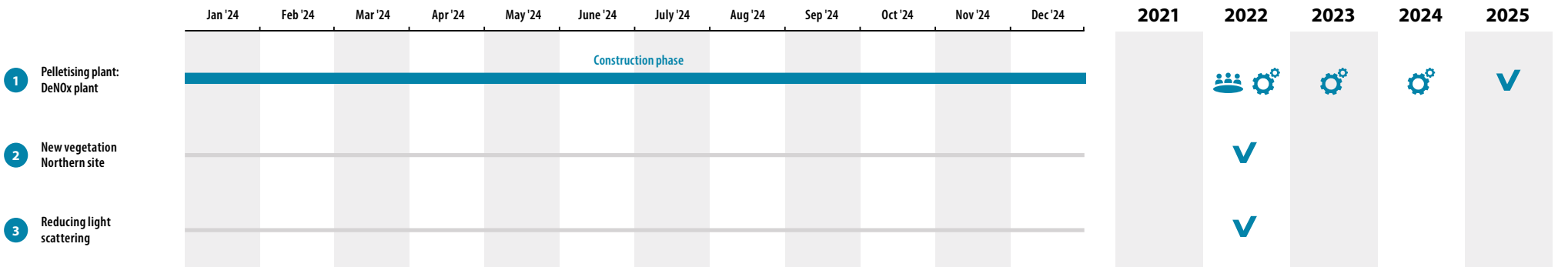
Being investigated

In preparation

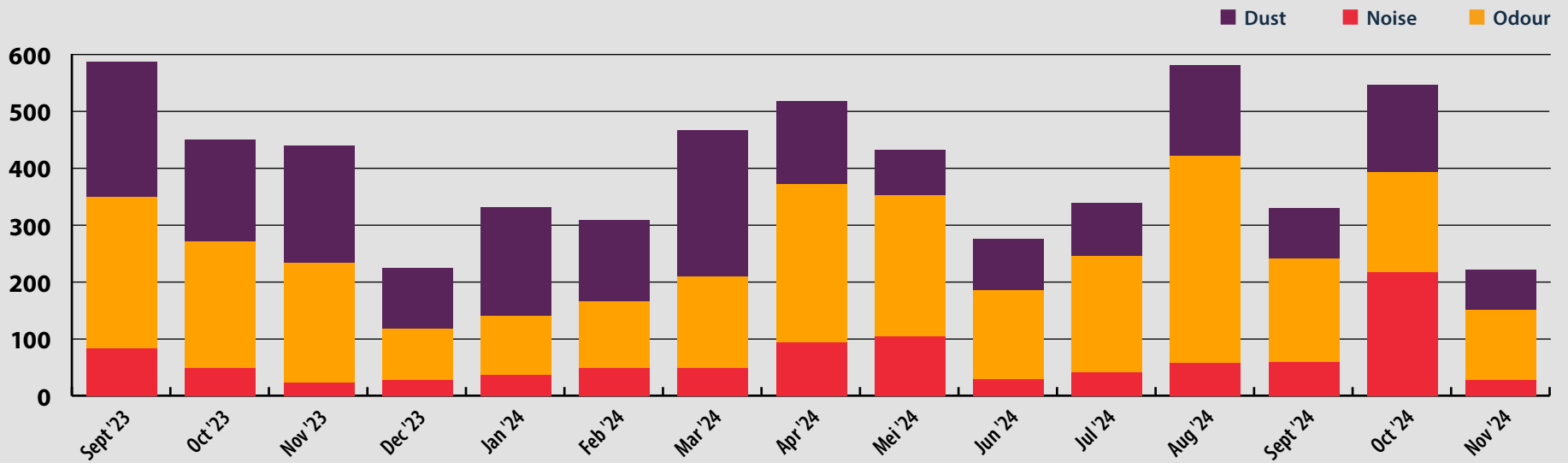
Being implemented

Realised





## Complaints summary



Are you experiencing any nuisances? Please let us know! The complaints we receive from the NZKG Environment Service are anonymous. Exact observation locations are not disclosed to us. As a result, we cannot use these complaints to trace sources and take measures. Please inform us directly so that we take swift action.

## Key measures

### Dust

The six extraction hoods at the Blast Furnaces, the additional extraction unit at the Steel Plant and the dust removal plant at the Pellet Plant are running at full capacity, and over the past year we have been working with accredited measurement agencies to investigate whether these measures are working the way they're supposed to.

### Windbreak

The windbreak, which is 18 metres high and about 1 kilometre long, is finished! So from now on, we expect less dust to drift from the storage fields into the surrounding area. This is called deposition and is not to be confused with emission. Emissions are released from chimneys, whereas deposition can be found on surfaces, the ground, in window sills, on cars and garden sets.

### Scraping of conveyor belts

In 2025, we will scrape the conveyor belts at the Blast Furnaces. Once this last dust deposition measure is completed, we will have an overall

picture which means we can start examining whether we have achieved our target.

### DeNOx

We're making great progress at the DeNOx plant. At a later stage, this component will be connected to the dust removal plant at the Pellet Plant, after which we will also be able to tackle nitrogen emissions here. We use ozone for this, which has never been done on this scale before.



### Measurements

In recent years, we commissioned over 30 measures. The results of the measures commissioned before 2023 can be found in the Electronic Annual Environmental Report. We still owe you the final results of our latest measures (measuring and verifying results is a time-consuming and precise job) but the preliminary results are promising!

### Odour

Currently we are in the commissioning phase of the new ladle drying plant at the Steel Plant, which is essentially an enormous oven. Such a commissioning phase can take a few weeks or sometimes even several months. The first ladle drying plant is ready to dry ladles and we are currently testing the drying plant for the liquid hot metal ladles. Keep an eye on our website, because we expect to share good news about the new plant with you before the end of the year.

## Current affairs

Of course, we ended 2023 on a good note with the commissioning of the dust removal plant at the Pellet Plant, better known as the largest Hoover in the Netherlands. Over the past year, accredited measurement agency TAUW has been busy measuring the effects of the installation. We will share the results with you as soon as possible!

### The windbreak is completed

Signed, sealed and delivered. The windbreak, about 1 kilometre long and 18 metres high, is now officially complete, reducing the amount of raw materials drifting into the surrounding area. But apart from being functional, it's also very beautiful, if we do say so ourselves. Indeed, the largest mural in the Netherlands has been taken care of by artist collective Spatziiver. Catch a good view of the mural from Reyndersweg, [or watch the video](#)

### Construction of DeNOx in full swing

In order to extract nitrogen oxides (NOx) from the Pellet Plant's flue gasses too, we are currently building a DeNOx plant. And as with the largest

hoover in the Netherlands, this is another project of huge proportions. Curious as to what it looks like? It's positively spectacular! In this gallery, we take you along for the ride.

### Our first hybrid locomotive has arrived

The locomotive was delivered back in July, but it wasn't until October until we could officially put it into use. Why did that take so long? Roan van der Werf: 'In terms of appearance, the locomotive hasn't changed much but under the hood it's completely new. When you modify a product, there's a chance that theory doesn't quite match practice. For instance, all fault reports had to come through properly, we wanted to be able to log

everything and we still had some optimisations for the software. That's all been taken care of now.'



### We are getting a new water treatment plant

With the arrival of the DeNOx plant, we also need a new water treatment plant. One that can handle both more and different types of wastewater. Manager Jari Siderius showed us before all that is needed for this new plant. In the meantime, much has happened already. Most of the progress has taken place underground. There will be more to see in a few months' time and when the time has come, we'll provide you with an update again!