

## POWER BI DESIGN

# How IBCS standards make your energy bill clearer

### IBCS makeover

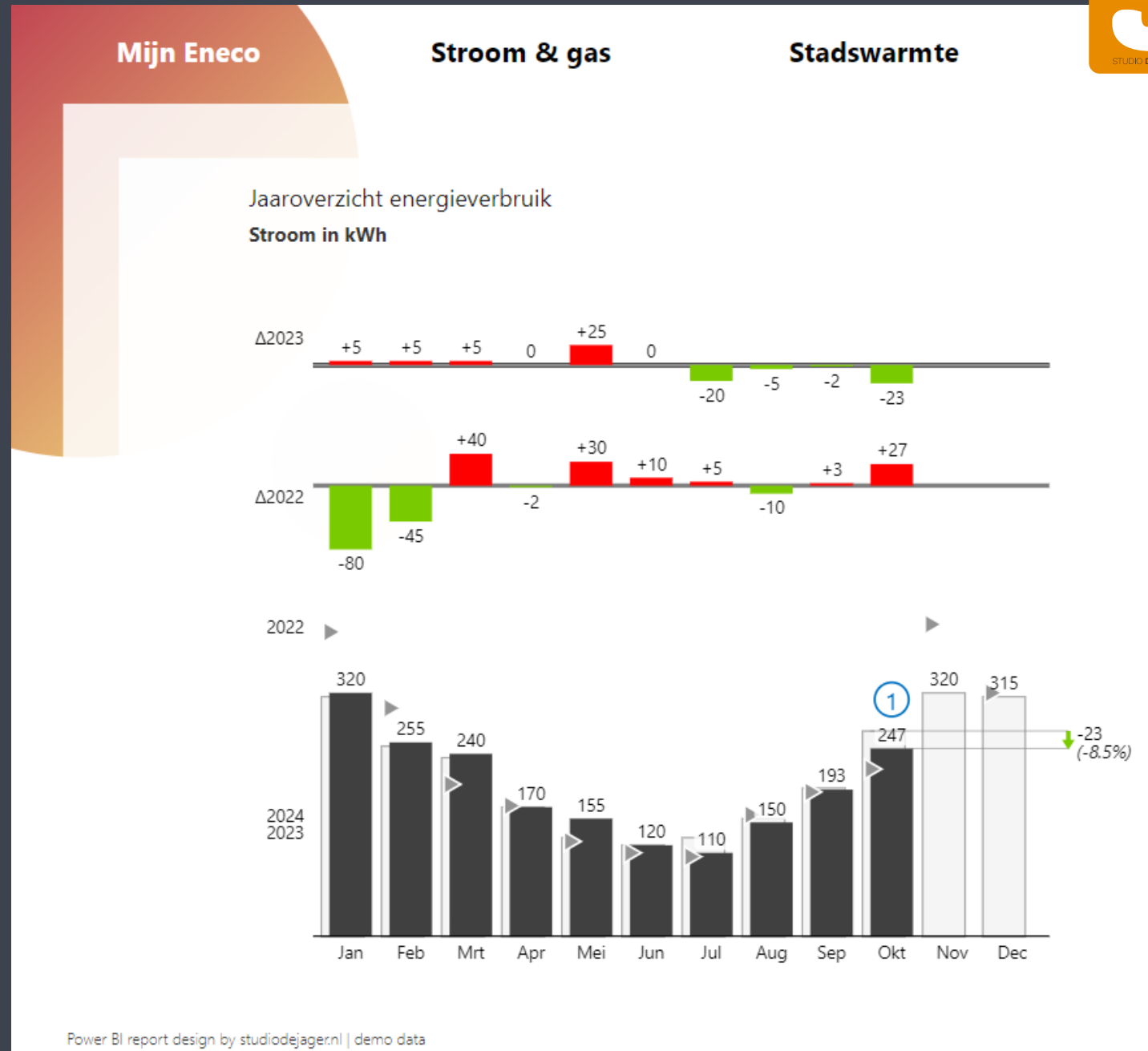
I often see charts in Power BI dashboards that are often *difficult* to understand.

This happens not only at work, but also in our daily lives.

An example is Eneco's overview of energy consumption. It's *almost impossible* to see if your consumption has improved.

As an **IBCS** specialist and **Zebra BI** partner, I always strive for clear and unambiguous data visualizations.

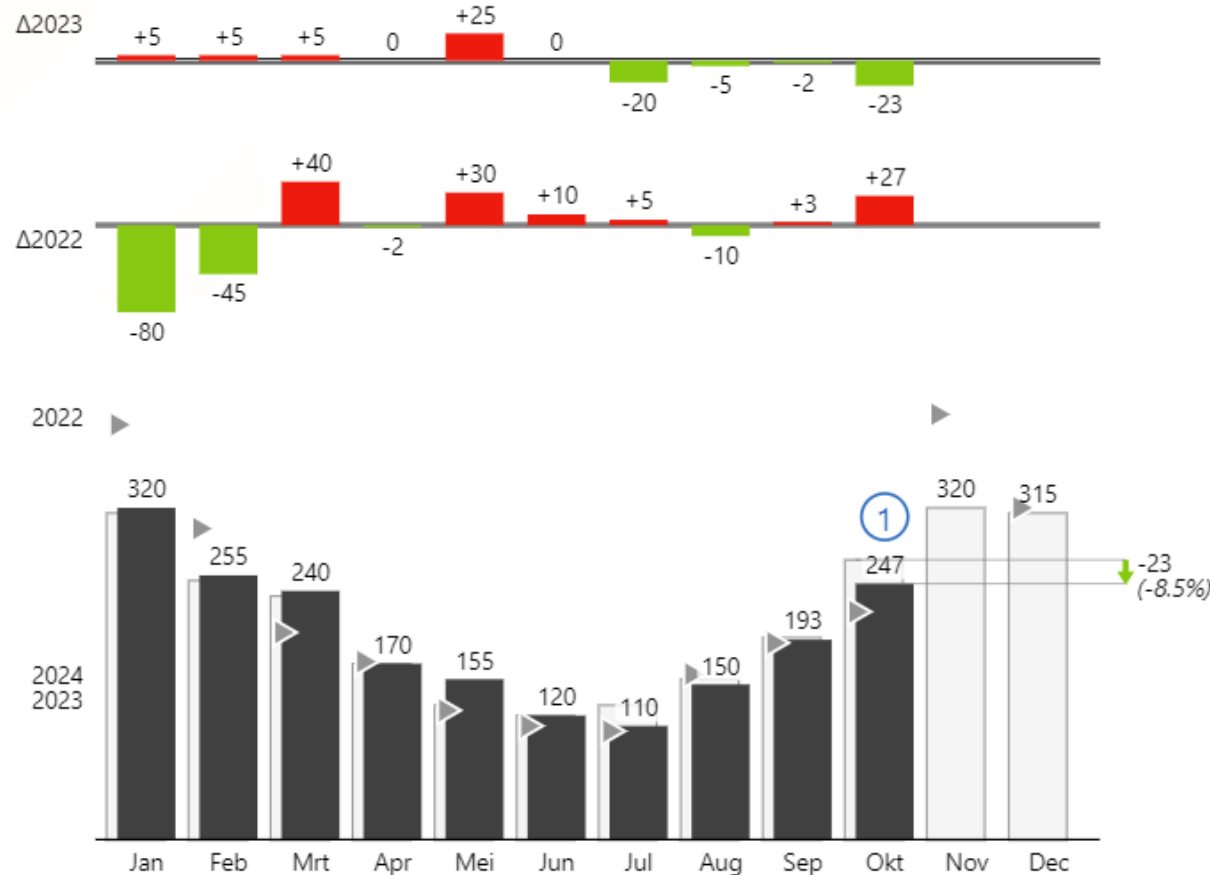
I couldn't resist making an "Eneco chart makeover".





## Jaaroverzicht energieverbruik

## Stroom in kWh



① Okt 247 ▼ -23 | -8.5%

**100% groen !**

#### Zo zag oktober eruit:

Je stroomverbruik in oktober is 247 kWh, dit is 23 kWh lager (-8.5%) in vergelijking met dezelfde maand in 2023.

We verwachten dat je 2600 kWh verbruikt dit jaar.

Wil je weten hoe je ervoor staat? Kijk dan in de Eneco app of in Mijn Eneco.

## POWER BI DESIGN

# “The Eneco chart” of energy consumption

### “The Eneco chart”

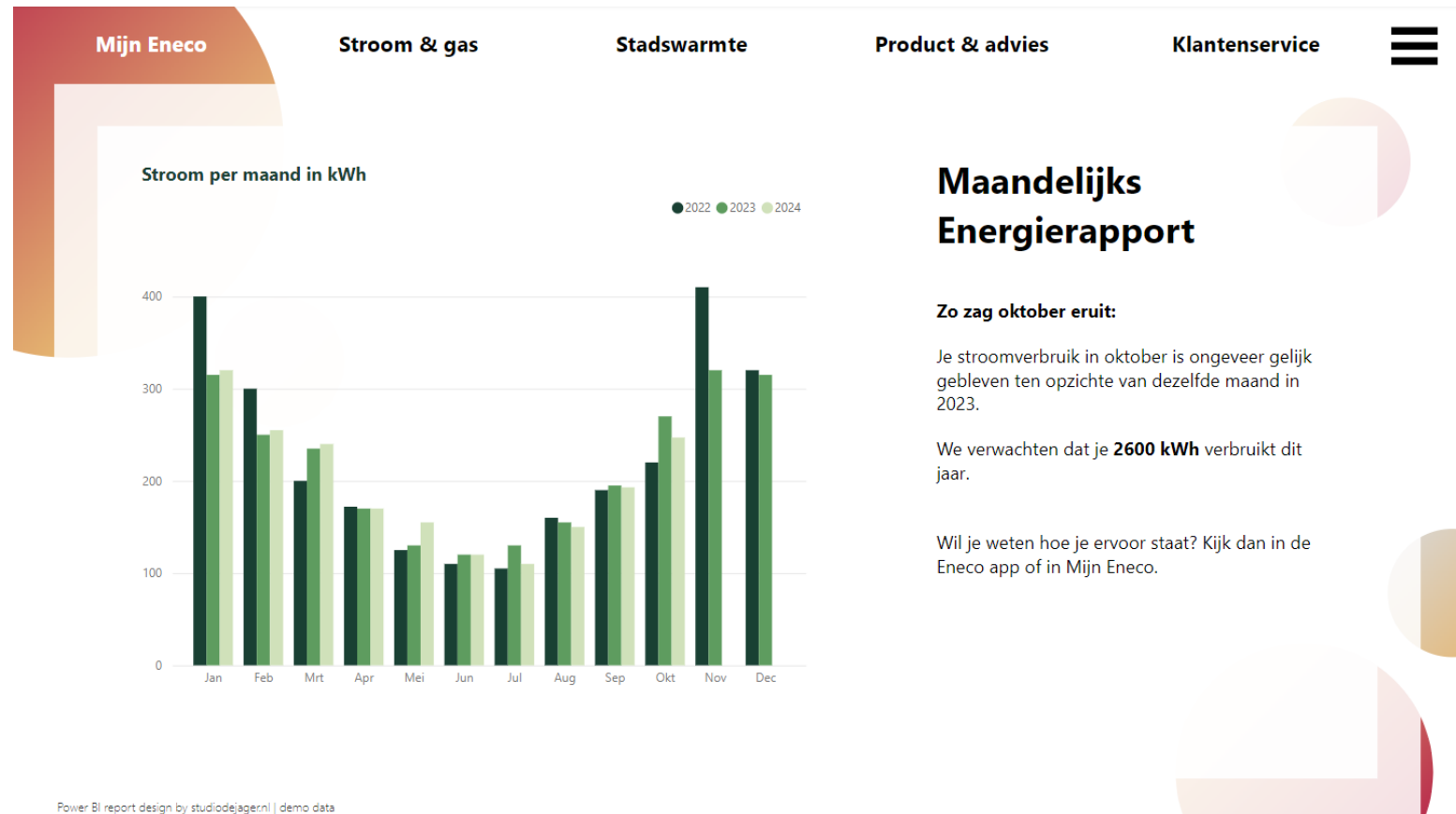
Have a look at this chart. In which months is the consumption **better** or **worse** than last year?

It is *extremely* difficult to see !

Some other improvements that can be made to the chart:

- Gridlines can be removed
- Data labels are missing
- Use of color in the graph. The eye is drawn to the dark green rather than the light green, while light green is the data of the current year.

The graph **could** (should) be improved quite a bit. See four option in the next slides.



## Maandelijks Energierapport

### Zo zag oktober eruit:

Je stroomverbruik in oktober is ongeveer gelijk gebleven ten opzichte van dezelfde maand in 2023.

We verwachten dat je **2600 kWh** verbruikt dit jaar.

Wil je weten hoe je ervoor staat? Kijk dan in de Eneco app of in Mijn Eneco.

## POWER BI DESIGN

# Option 1 IBCS standards by using variances

IBCS standards ensures *uniformity* and *simplicity* in data visualization.

I used of one of the *most important* core principles of IBCS, the **variances**.

This makes it *immediately clear* how your current consumption *compares* to last year.

- Made a simple Eneco background design, inspired by the logo with the dots.
- Zebra BI chart visuals. Easy to use, no additional measures required.

The result is **immediately** clear in which months the consumption is better of worse.

A simple change, but a **world of difference** in interpretation.



Variances, easy to see: "better of worse"

Comments

Scenario pattern, solid dark for actuals

Zebra BI Chart

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# Option 2 Zebra BI dynamic comments

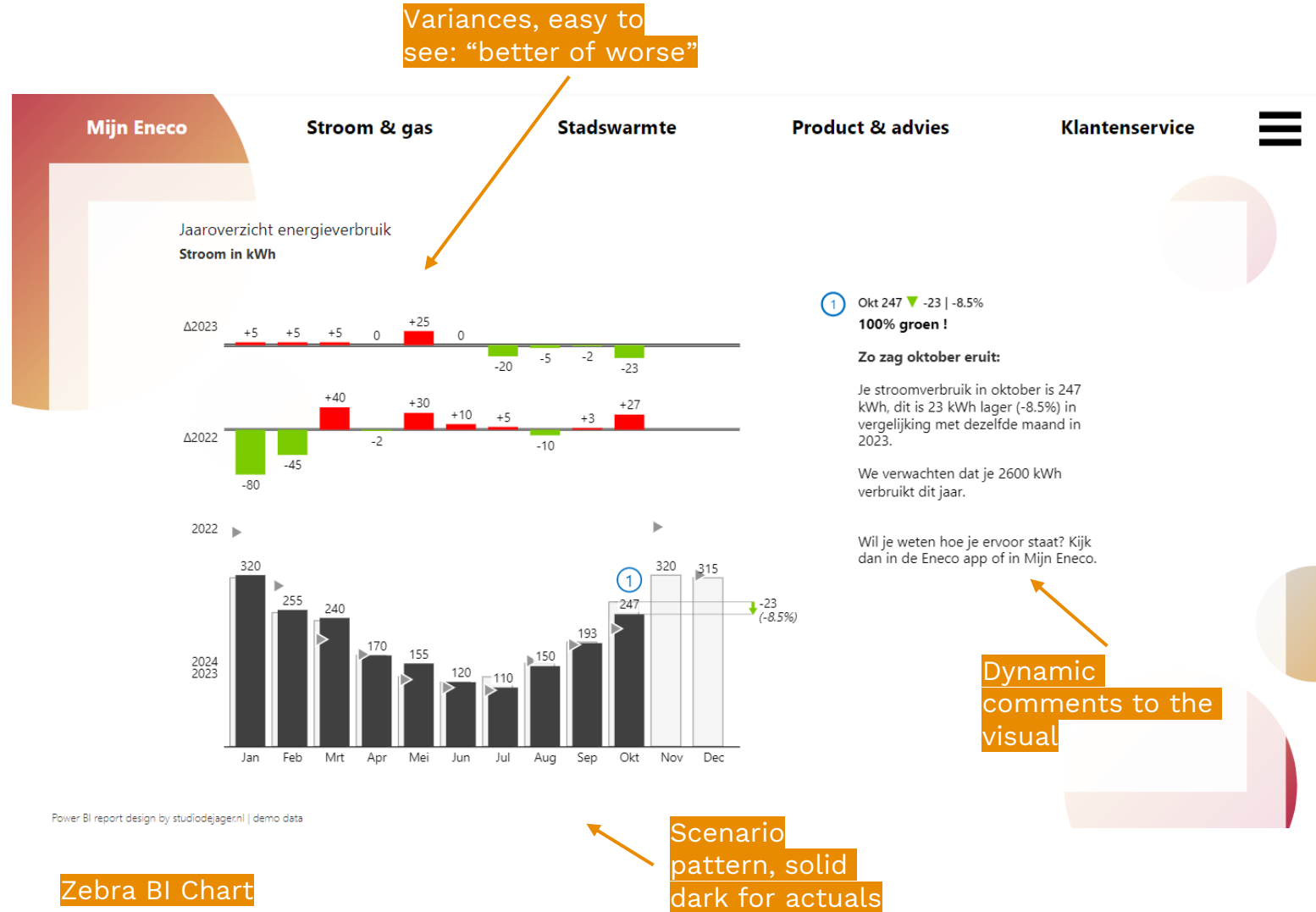
There is a good chance that with a few **IBCS** adjustments you will get a much clearer insight!

In this option, the following is used:

- Zebra BI chart visual
- Variances to the chart
- **Dynamic comments** added to the Zebra BI visuals

The result is **immediately** clear in which months the consumption is more or less.

A simple change, **but a world of difference in interpretation.**



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# Option 3 Colorblind- friendly variances

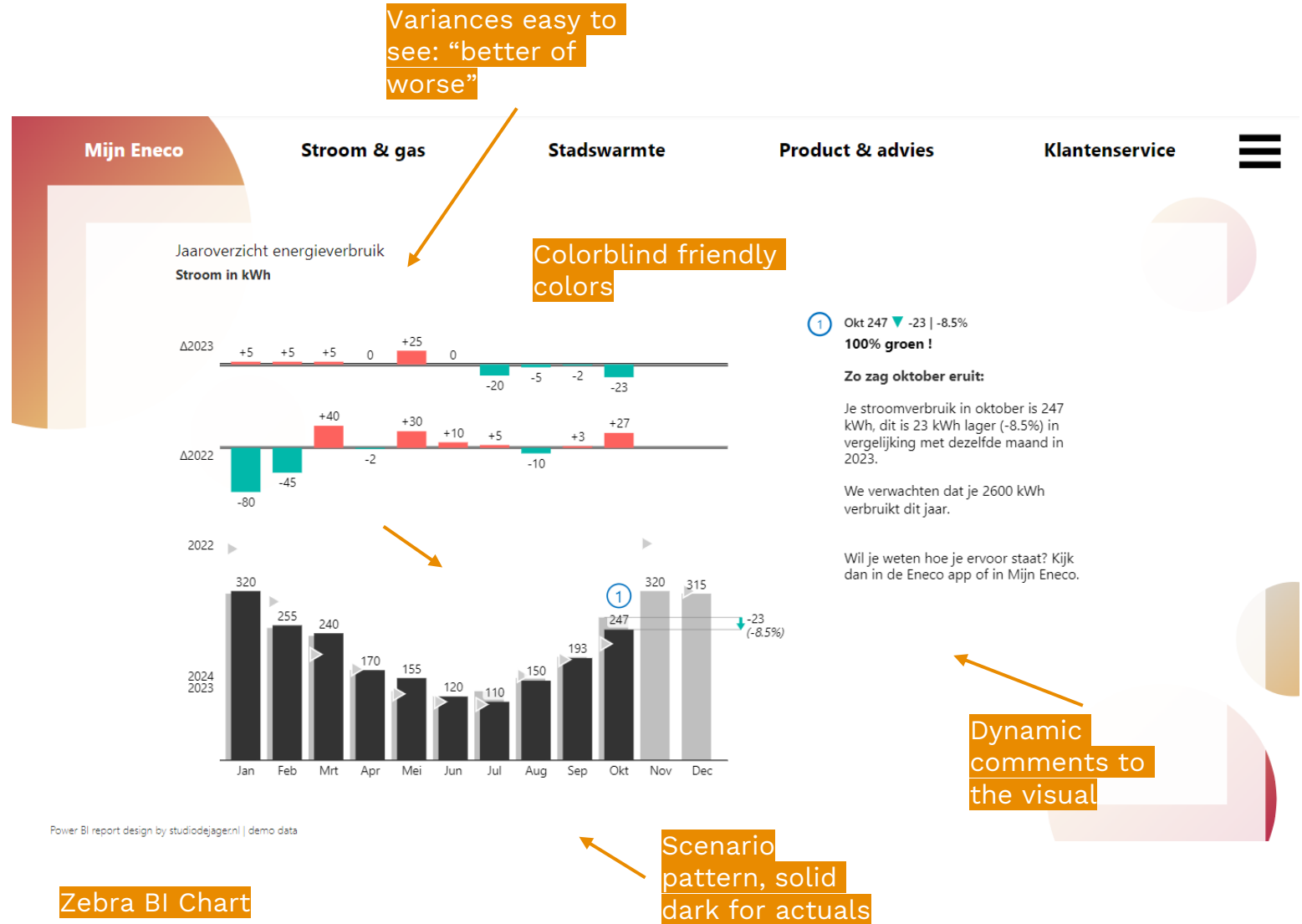
There is a good chance that with a few **IBCS** adjustments you will get a much clearer insight!

In this option, the following were used:

- Zebra BI chart visual
- Variances to the chart
- Dynamic comments added to the Zebra BI visuals
- **Colorblind friendly variances**

The result is **immediately** clear in which months the consumption is more or less.

A simple change, but a **world of difference** in interpretation.



## POWER BI DESIGN

# Option 4 Colorblind-friendly with Eneco colors

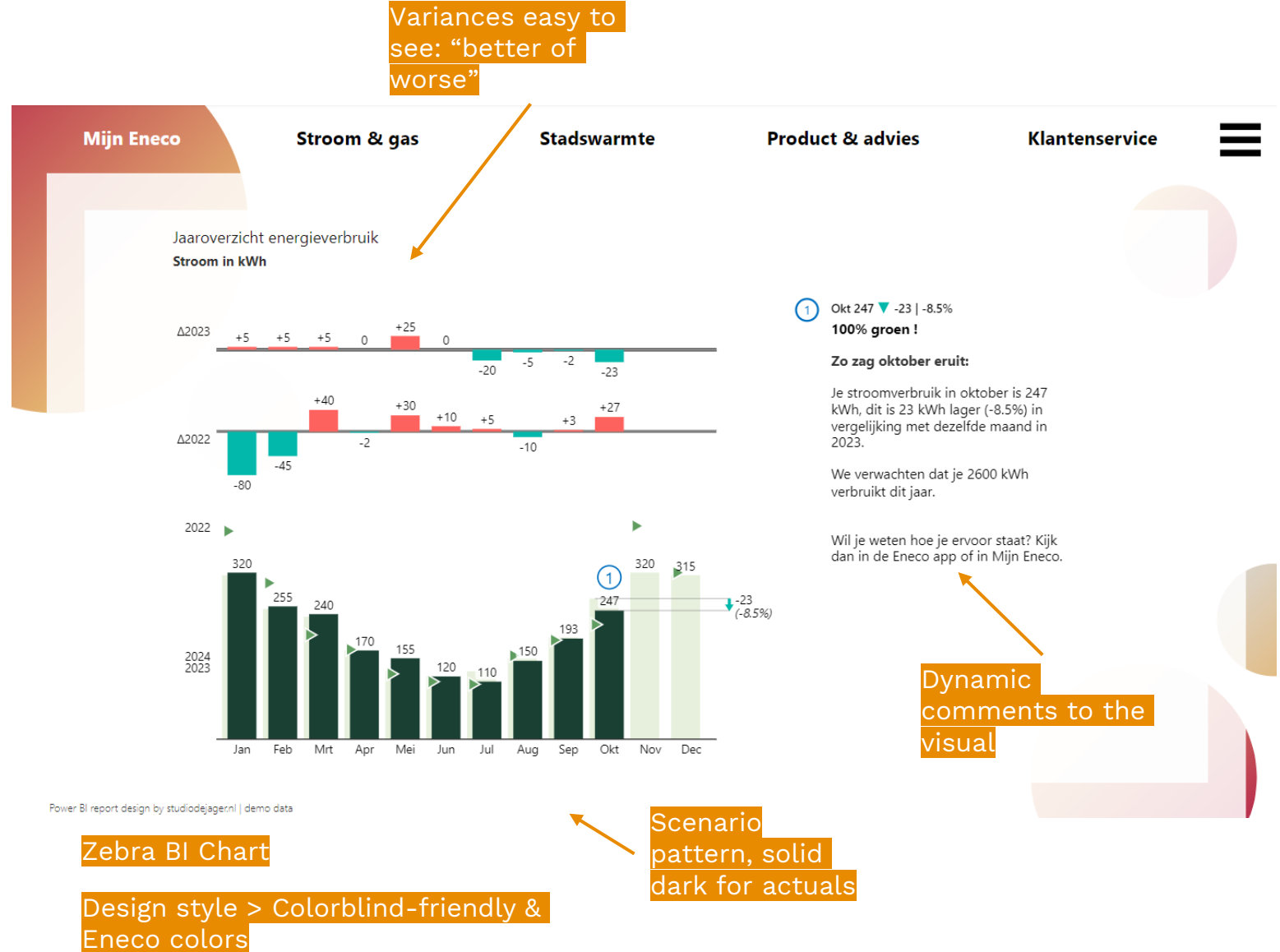
There is a good chance that with a few **IBCS** adjustments you will get a much clearer insight!

In this option, the following were used:

- Zebra BI chart visual
- Variances to the chart
- Dynamic comments added to the Zebra BI visuals
- **Colorblind friendly variances**
- **Use of Eneco color in the design style**

The result is **immediately** clear in which months the consumption is more or less.

A simple change, but a world of difference in interpretation.



Show your figures  
with the **right**  
**content.**

Use variances in  
charts !

# IBCS | # Zebra BI | # Eneco

