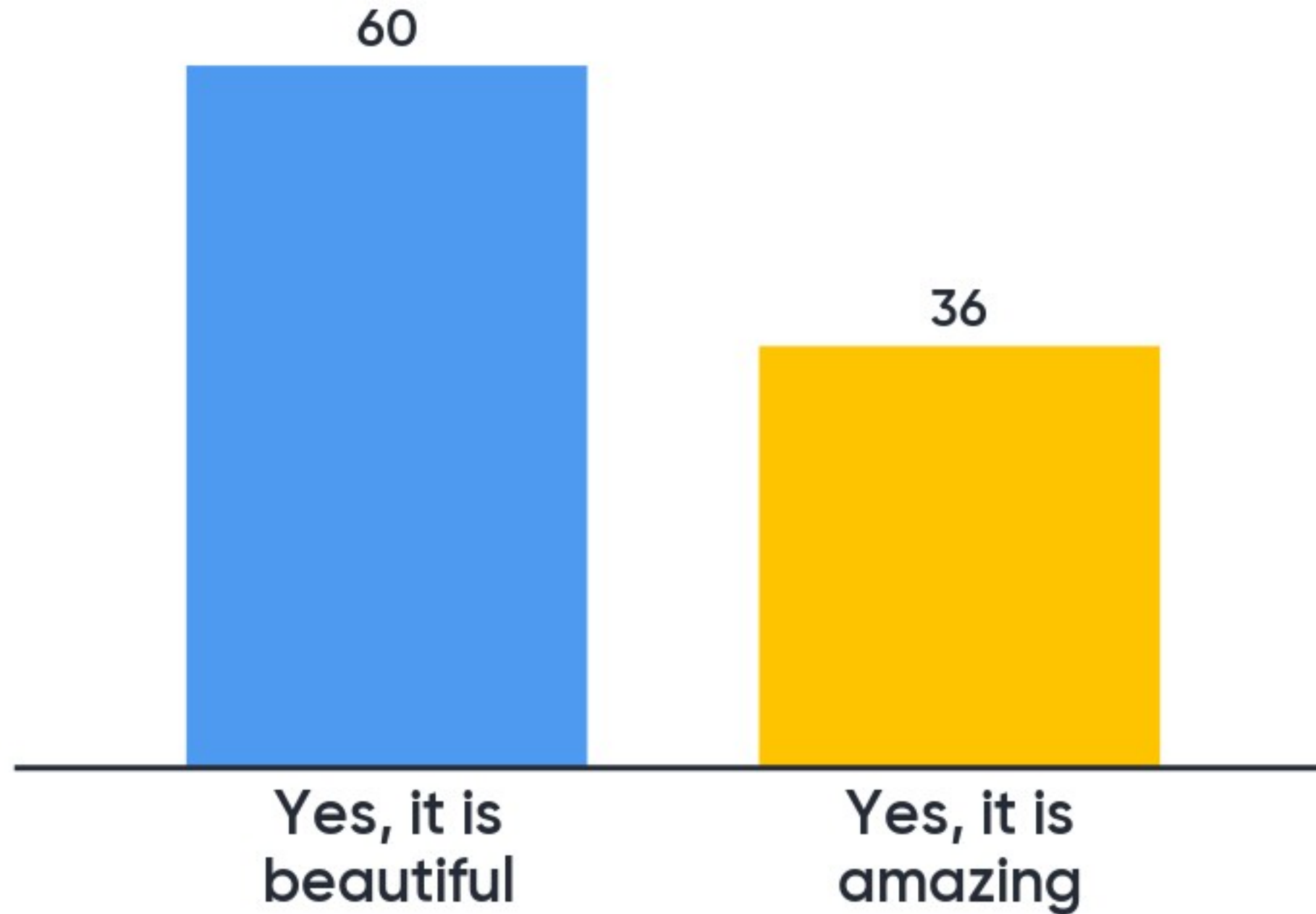


The User and Primes Perspective on the value and need of COTS Use

Training & calibration : is Sevilla a nice city ?



Why using COTS ?

1st



For cost
reduction

2nd



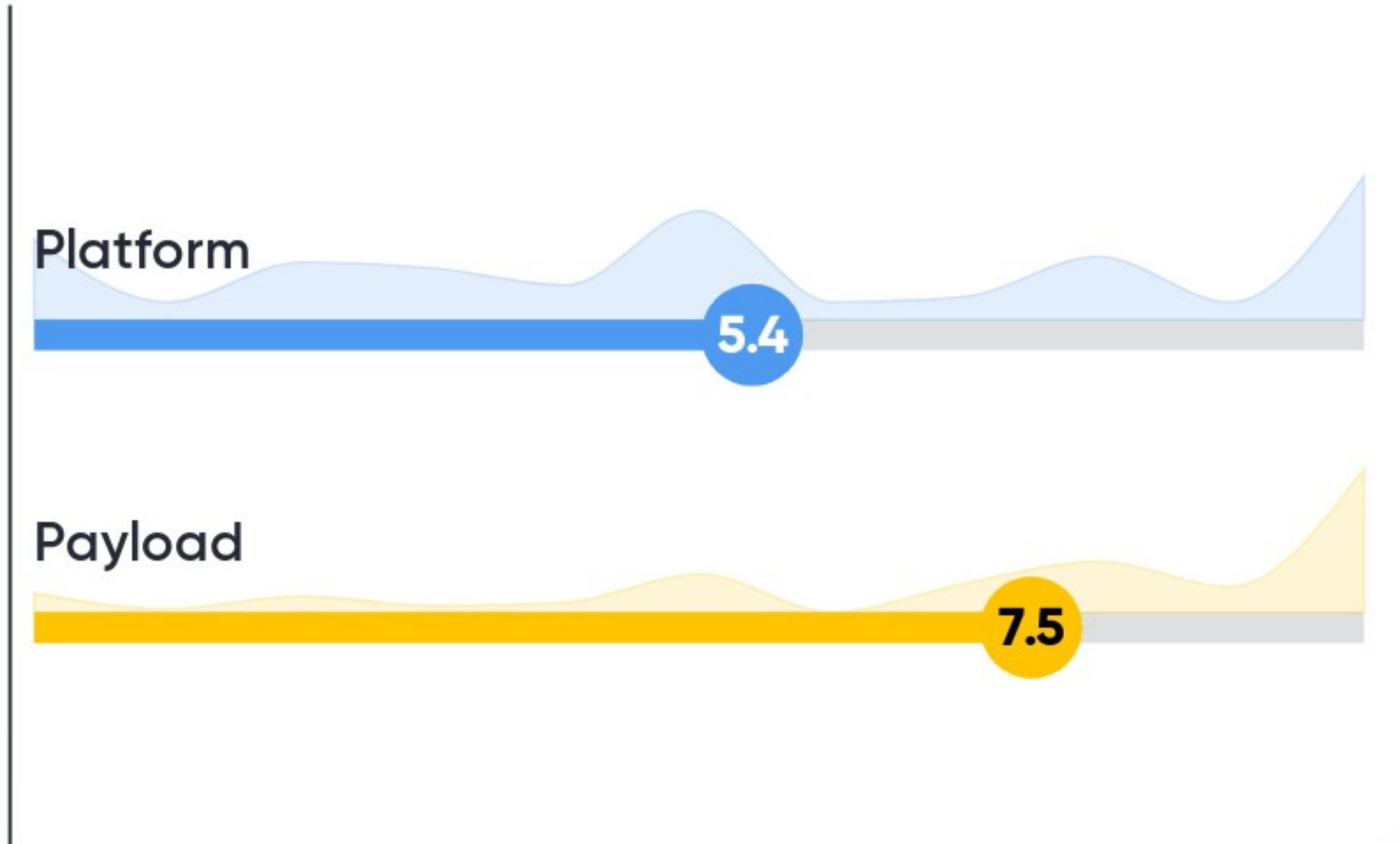
For
performance
aspects

3rd

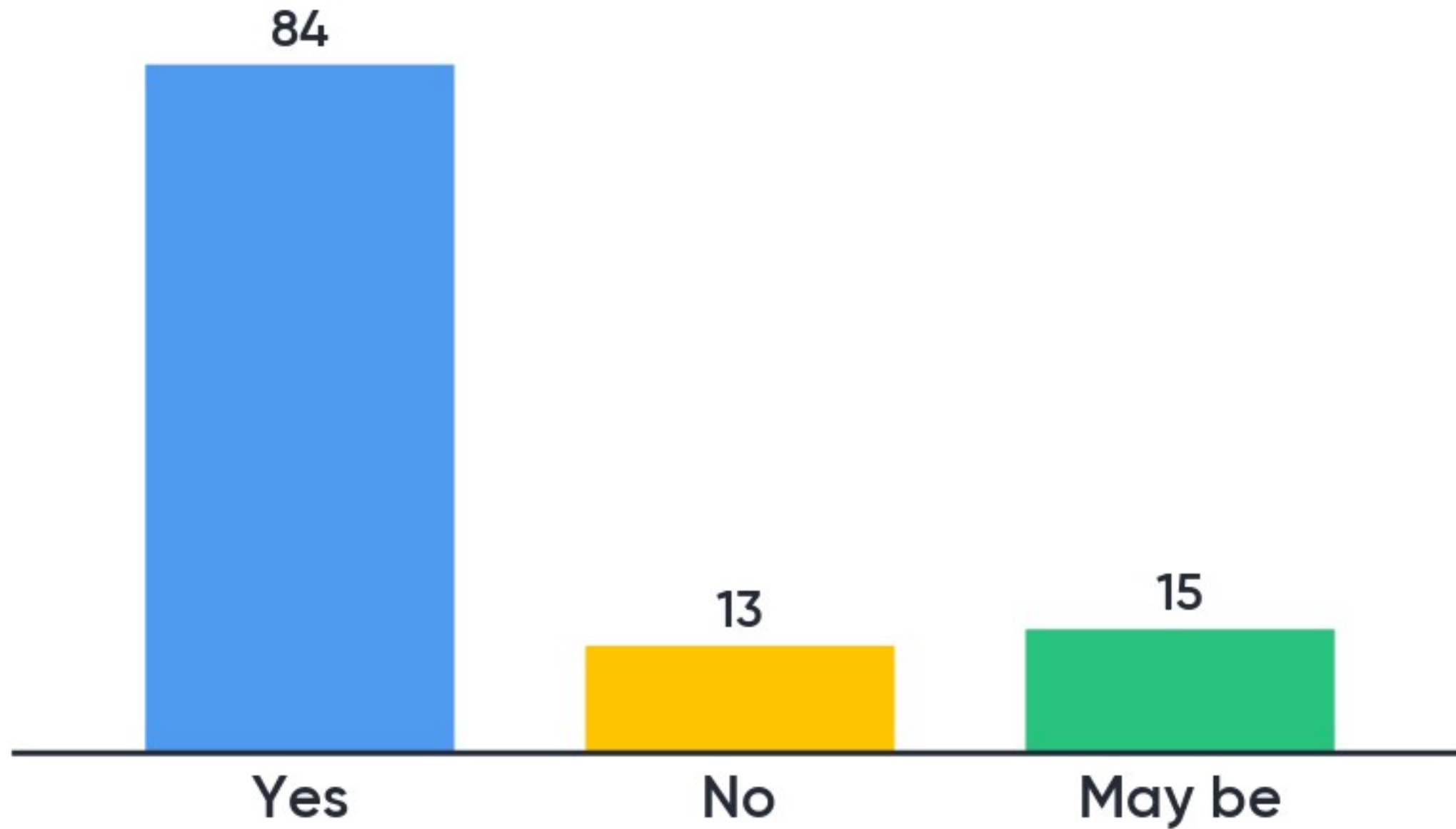


For shorter lead
times

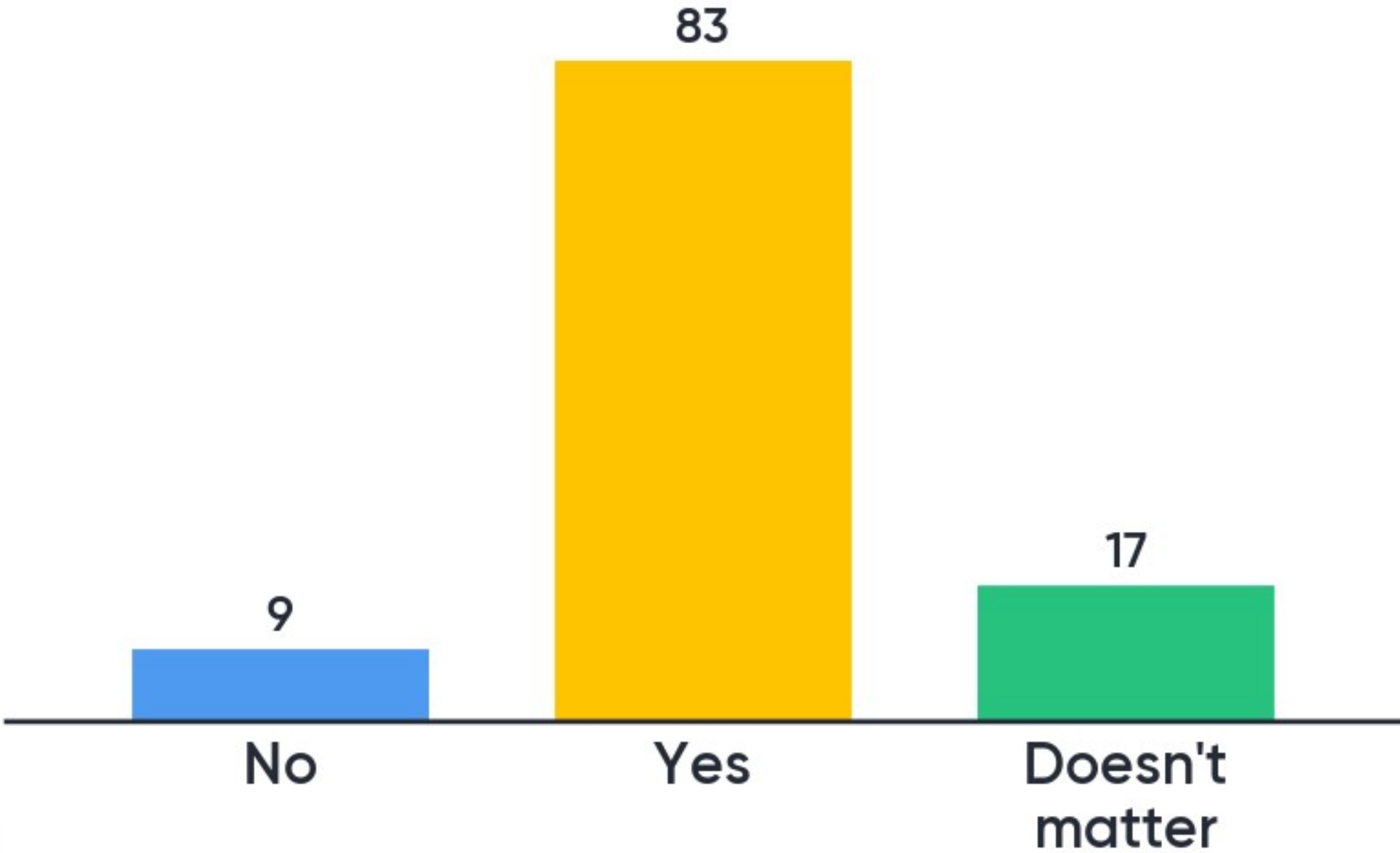
Where using COTS ?



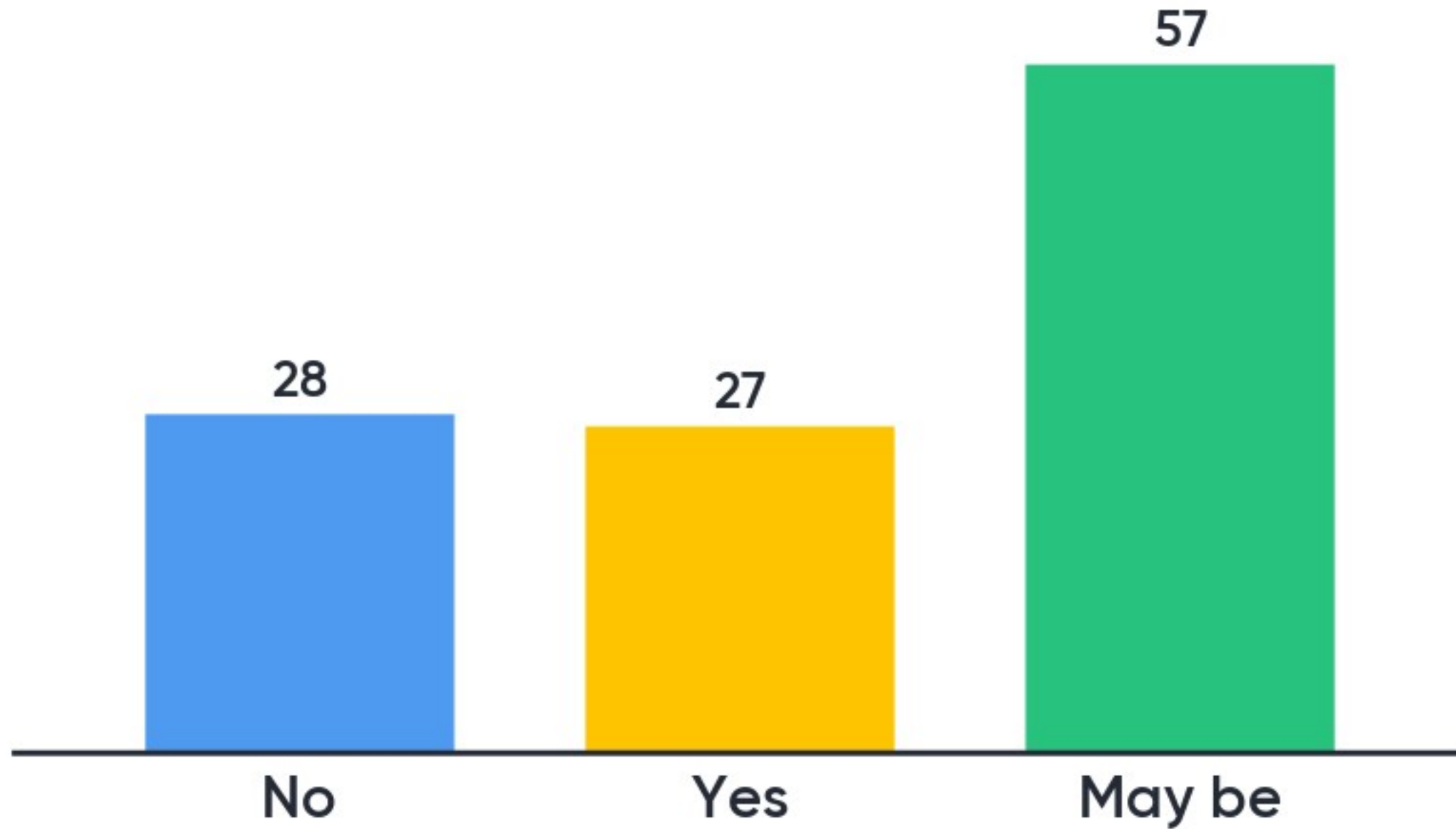
Mission Classification : would it help ?



Equipment Categorisation : would it help ?



more COTS ... less cost : is it a reality ?



What is the biggest challenge when procuring COTS components ?

Manufacturing data

New Supply chain

Customer requirements

Reliability certainty

MOQ

Traceability

get Manufacturer support

Upscreening cost

Radiation data

What is the biggest challenge when procuring COTS components ?

Data acquisition from manufacturers

Reliability data

Traceability

RELIABILITY, TRACEABILITY

Supplier support

Manufacturer data

Assembly into boards

Ensuring same lot

Data



What is the biggest challenge when procuring COTS components ?

Getting the proper information from supplier

Traceability

Find the good provider

Lot acceptance

supplier cooperation and data access

Limited traceability for space customers

Knowing the real project PA requirements to be applied.....

Resistance to changes

Traceability



What is the biggest challenge when procuring COTS components ?

getting parts from the same lot

Traceability Reproducibility
Testing

distribution channel

Access to data!!! data!!

SEE , 2. TID

To get reliable manufacturer
data

Parts selection, with respect to
Evaluation costs.

MOQ may be excessive

PCNs, traceability

What is the biggest challenge when procuring COTS components ?

We call COTS but expect EXTRA

RHA and mainly SEE

Requirements

Convincing the end customer that traceability is not possible in many cases

Manufacturing data

Radiation data

Longevity

Qualification time

Counterfeit

What is the biggest challenge when procuring COTS components ?

Parts Homogeneity

To know the truth

No supply chain control

MOQ, traceability

Traceability

Access to manufacturer data.Homogeneity/traceability.

Access information.

Defining requirements

Manufacturer



What is the biggest challenge when procuring COTS components ?

To be sure to have quality requested

Traceability

Confidence

Proper selection

Traceability

Reliability data

Documentation and traceability

Manufacturer data

suffering and not managing PCN



What is the biggest challenge when procuring COTS components ?

New Supply Chain

Procure through reliable supplier.

support

Traceability

Supplier selection

Data and quick availability

test

Selecting the right component(s)

deciding for/against the hi-rel alternative



What is the biggest challenge when procuring COTS components ?

Supplier support, traceability

Manufacturer information

Traceability and space heritage

Harmonization

Reliability Data (Component FIT data)

Radiation. Qualifications. Preparation of Justification Documents.

Loss of traceability and short life cycles

Test data availability

get manufacturing data

What is the biggest challenge when procuring COTS components ?

Getting wafer traceability from manufacturers

Manufacturer data, requirement

To find the right one...

establish radiatio requirements

Manufacturer support

Assessment of quality and evaluation of reliability, starting from performance

Traceability for low quantities as per institutional project

Be efficient! To reasonably minimize the testing using as much as ppssible exising data

Manufacturera data



What is the biggest challenge when procuring COTS components ?

Guaranteed quality for mission appl

Traceability and LOT acceptance

Selection

The challenge of a new technology or new component not used previously and the related world before use. Also, this challenge is the biggest effort and headache

Radiation testing

Data collection and traceability from manufacturer

Getting manufacturer support

intense

Dry



What is the biggest challenge when procuring COTS components ?



Your impressions on the first ACCEDE day ?

