



# Digital transformation

25 languages

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*For signal processing, see [Digital transform](#).*

**Digital transformation** is the adoption of [digital technology](#)<sup>[1][2]</sup> by an organization to digitize non-digital products, services or operations. The goal for its implementation is to increase value through [innovation](#),<sup>[3][4]</sup> invention, customer experience or efficiency.<sup>[1]</sup>

## History [edit]

[Digitization](#) is the process of converting [analog](#) information into digital form using an [analog-to-digital converter](#), such as in an image [scanner](#) or for digital audio recordings. As usage of the [internet](#) has increased since the 1990s, the usage of digitization has also increased. Digital transformation, however, is broader than just the digitization of existing processes. Digital transformation entails considering how products, processes and organizations can be changed through the use of new, digital technologies.<sup>[5][6]</sup> A 2019 review proposes a definition of digital transformation as "a process that aims to improve an entity by triggering significant changes to its properties through combinations of information, computing, communication, and connectivity technologies."<sup>[2]</sup> Digital transformation can be seen as a socio-technical programme.<sup>[7][8]</sup>

Adopting digital technology can bring benefits to a business,<sup>[9][10]</sup> however, some company cultures can struggle with the changes required by digital transformation.<sup>[11]</sup>

A 2015 report stated that maturing digital companies were using [cloud](#) hosting, social media, mobile devices and data analytics, while other companies were using individual technologies for specific problems.<sup>[12]</sup> By 2017, one study found that less than 40% of industries had become digitized (although usage was high in the media, retail and technology industries).<sup>[13]</sup>

As of 2020, 37% of [European](#) companies and 27% of American companies had not embraced digital technology.<sup>[14][15]</sup> Over the period of 2017-2020, 70% of European municipalities have increased their spending on digital technologies.<sup>[14][16]</sup>

In a 2021 survey, 55% of European companies stated the [COVID-19 pandemic](#) has increased the demand for digital technology, and 46% of companies reported that they have grown more digital.<sup>[17]</sup> Half of these companies anticipate an increase in the usage of digital technologies in the future, with a greater proportion being companies that have previously used digital technology.<sup>[18][19]</sup> A lack of digital infrastructure was viewed as a key barrier to investment by 16% of EU businesses, compared to 5% in the US.<sup>[14]</sup> In a survey conducted in 2021, 89% of African banks polled claimed that the [COVID-19 pandemic](#) has hastened the digital transformation of their internal operations.<sup>[20]</sup> Digital transformation gives enterprises new vitality. Now, economic



*Suggs*

Of course, you're also welcome in the shop.  
So you can cycle on.



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**FLIXBUS**



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SCOOTERS



New  
**Digital Nomad**

Accommodation Network

Interview with

**FLATIO**



**FLATIO**

a few months living





# LIVING OFF



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