# **INDUSTRY BETAS**

LEVERED AND UNLEVERED

65 INDUSTRIES 144 SUB-INDUSTRIES 10 GEOGRAPHICAL AREAS

III QUARTER 2022



salvidio & partners

## INDUSTRY BETAS LEVERED AND UNLEVERED

- 65 INDUSTRIES
- 144 SUB INDUSTRIES
- 10 GEOGRAPHICAL AREAS

# This quarterly research on industry and sub-industry betas has been prepared by

# salvidio & partners

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## I – DESCRIPTION OF METHOD USED

#### 1. About industry and sub-industry betas reported in this publication

Tables in Sections III and IV of this research list, *levered* and *unlevered industry* and *sub-industry* betas<sup>1</sup>, are estimated on the basis of individual betas of shares issued by thousands of companies quoted on stock exchanges worldwide<sup>2</sup>. Industry betas have been calculated as arithmetic averages of individual betas. They have been aggregated by industry or by sub-industry, as well as by different geographical areas<sup>3</sup>.

Industry betas can be useful when estimating the cost of capital because they tend to be less sensitive to errors that may affect the calculation of individual betas:

- as a consequence of special market situations or of other extraordinary events involving underlying companies, the results of individual beta calculation may be sometimes over- or underestimated;
- since industry betas are determined as averages of individual stock betas, over- and underestimations tend to compensate each other.

An average (industry or sub-industry) beta can, therefore, be generally considered to be more meaningful for the purpose of cost of capital calculation than its underlying single stock betas, considered individually.

#### 2. Selection of individual betas

In order to estimate industry betas, we have averaged individual betas of listed companies:

 having a minimum market capitalization of 50 million Euros in the last five years;

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<sup>&</sup>lt;sup>1</sup> For a more plain reading on this note, we will, hereinafter recall both industry and subindustry betas collectively as "industry betas", unless a distinct reference to sub-industry betas is required for a better understanding of methodology and content of this research.

<sup>&</sup>lt;sup>2</sup> Our estimates are based on industry, stock market and financial data provided by Standard & Poor's Capital IO

<sup>&</sup>lt;sup>3</sup> We have calculated an average "global" value of each industry and each sub-industry of the individual betas. In addition, the tables in Sections III and IV feature also specific "regional" average values for the following areas: a) International edition of this booklet: European Union and Western Europe, Russia and Eastern Europe, Southern and Eastern Mediterranean Countries, States of the Persian Gulf, Sub-Saharan Africa, Central and South Asia, East Asia, Pacific States, South America, North America; b) USA edition of this booklet: United States of America, Canada, Central and South America, European Union and other Western European countries, Russia and other Eastern European countries, Southern and Eastern Mediterranean and Gulf countries, Sub-Saharan Africa Central and South Asia, East Asia. Oceania and Pacific.