

Riepilogo per settore di taluni dati economici, finanziari e patrimoniali pubblicati dal Prof. Aswath Damodaran (aggiornati al 5/1/2025)

Settore	Engineering/Construction												05-gen-25				
Worksheet	Beta	Cost of Equity	E/(D+E)	Std Dev in Stock	Cost of Debt	Tax Rate	After-tax Cost of Debt	D/(D+E)	Cost of Capital	Cost of Capital (Euros)	Leverage	Beta unlevered					
WaccEurope	0,95	9,74%	58,95%	33,45%	6,36%	16,74%	4,78%	41,05%	7,70%	6,65%	69,65%	0,60					
Worksheet	Capital Expenditures	Depreciation	Cap Ex/Deprecn	Acquisitions	Net R&D	Net Cap Ex/Sales	Net Cap Ex/ EBIT (1-t)	Sales/Capital									
CapexEurope	13.372,79	14.765,65	0,91	7.658,82	25,47	0,01	0,33	3,01									
Worksheet	Acc Rec/ Sales	Inventory / Sales	Acc Pay/ Sales	Non-cash WC/ Sales													
WcdataEurope	26,69%	5,55%	19,87%	-1,07%													
gg	97	20	73	-4													
Worksheet	Beta	ROE	Cost of Equity	(ROE - COE)	BV of Equity	Equity EVA	ROC	Cost of Capital	(ROC - WACC)	BV of Capital	EVA	E/(D+E)	Std Dev in Stock	Cost of Debt	Tax Rate	After-tax Cost of Debt	D/(D+E)
EVAEurope	0,95	15,33%	9,74%	5,60%	110.947,20	6.210,67	14,44%	7,70%	6,74%	149.885,26	10.095,35	58,95%	33,45%	6,36%	16,74%	4,78%	41,05%
Worksheet	ROE	Retention Ratio	Fundamental Growth	Calcolo Fund. Growth													
fundgrEurope	15,33%	50,57%	7,75%	7,75%													
Worksheet	CAGR in Net Income- Last 5 years	CAGR in Revenues- Last 5 years	Expected Growth in Revenues - Next 2 years	Expected Growth in Revenues - Next 5 years	Expected Growth in EPS - Next 5 years												
HistgrEurope	13,73%	15,12%	12,36%	7,05%	13,43%												
Worksheet	Gross Margin	Net Margin	Pre-tax, Pre-stock compensation Operating Margin	Pre-tax Unadjusted Operating Margin	After-tax Unadjusted Operating Margin	Pre-tax Lease adjusted Margin	After-tax Lease Adjusted Margin	Pre-tax Lease & R&D adj Margin	After-tax Lease & R&D adj Margin	EBITDA/Sales	EBITDASG&A / Sales	EBITDAR&D/ Sales	COGS/Sales	R&D/Sales	SG&A/ Sales	Stock-Based Compensation/ Sales	Lease Expense/Sales
MarginEurope	34,11%	3,78%	6,17%	5,77%	4,81%	5,77%	4,81%	5,78%	4,81%	8,20%	29,77%	8,26%	65,89%	0,06%	21,57%	0,40%	1,48%
Worksheet	EV/ EBITDAR&D	EV/EBITDA	EV/EBIT	EV/EBIT (1-t)	EV/ EBITDAR&D	EV/EBITDA	EV/EBIT	EV/EBIT (1-t)									
EVEbitdaEurope	7,97	8,02	12,01	16,12	8,50	8,56	12,15	16,30									
					Only positive EBITDA firms				All firms								
Worksheet	Price/Sales	Net Margin	EV/Sales	Pre-tax Operating Margin	P/Sales ponderato per Net												
psEurope	0,50	3,78%	0,70	5,77%	0,13												
Worksheet	% of Money Losing firms (Trailing)	Current PE	Trailing PE	Forward PE	Aggregate Mkt Cap/ Net Income (all firms)	Aggregate Mkt Cap/ Trailing Net Income (only money making firms)	Expected growth - next 5 years	PEG Ratio (=Current PE: EGNFY)									
peEurope	0,30	20,52	23,06	18,80	14,25	12,53	13,43%	0,93									
Worksheet	PBV	ROE	EV/ Invested Capital	ROIC	"Value Ratio" (PBV/ROE)												
pbvEurope	1,66	15,33%	1,81	14,44%	10,86												
Worksheet	ROC	Reinvestment Rate	Expected Growth in														
fundgrEBEurope	14,44%	51,01%	7,37%														

Riepilogo principali variabili

Variabili		Descrizione
Beta levered del settore	0,95	Il coefficiente beta nel CAPM rappresenta la rischiosità del titolo ed in particolare la covarianza tra gli extrarendimenti del titolo rischioso e gli extrarendimenti del mercato, fratto la varianza di questi ultimi
Beta unlevered del settore	0,60	This is the beta for the sector, unlevered by the market value debt to equity ratio for the sector: Unlevered Beta = [Beta / (1 + (1- tax rate) * (Debt/Equity Ratio)]
E/(D+E)	58,95%	Equity ratio
D/(D+E)	41,05%	Debt ratio = Total Debt (including lease debt) / (Total Debt (including lease debt)+ Market Cap); this is the market value estimate of the debt ratio, obtained by dividing the cumulated value of debt by the cumulated value of debt plus the cumulated market value of equity for the entire sector.
Leverage (D/E)	69,65%	Estimated using cumulated market value of equity for the sector and cumulated debt for the sector: Debt/Equity Ratio for Sector = Cumulated Debt for Sector/Cumulated Market Value of Equity
Tax rate del settore	16,74%	Effective tax rate = Taxes paid/ Taxable Income
Std Dev in Stock	33,45%	The standard deviation in weekly stock prices, estimated using two years of data. The number is annualized
Cost of debt	6,36%	Pre-tax cost of borrowing for sector, estimated based upon the standard deviation of equity
Cost of Equity	9,74%	Risk free Rate + Beta * Equity Risk Premium, in US \$
Cost of capital	7,70%	Cost of Equity * (Equity / (Debt + Equity)) + Cost of Debt (1- Marginal tax rate) *(Debt / (Debt + Equity))
Non-Cash Working Capital /Sales	-1,07%	Non-cash Working Capital = Inventory + Other Current Assets + Accounts Receivable -Accounts Payable - Other Current Liabilities [Current assets excluding cash - Current liabilities excluding interest bearing debt)
Net Capex /Sales	1,40%	Net Capital Expenditures: Estimated as the difference between capital expenditures and depreciation
Reinvestment rate	32,52%	Reinvestment Rate = [(Net Capital Expenditures + Change in WC) / EBIT (1-t)]
Net Margin / Sales (Net Income/Sales)	3,78%	Estimated by dividing the net income by the total revenues Net Margin = Net Income / Sales
COGS (Cost of Goods Sold)/Sales	65,89%	Sum of COGS reported as expense in most recent year
R&D/Sales	0,06%	Sum of R&D reported as expense in most recent year
SG&A (Sales, General & Administrative Expenses)/ Sales	21,57%	Sum of SG&A reported as expense in most recent year
Ebitda margin (Ebitda/Sales)	8,20%	Margine redditività operativa lorda
ROE (Return on Equity)	15,33%	Estimated by dividing the net income by the book value of equity; if book value of equity is negative, this is not estimated.
Roc (Return on Capital) o Roic (Return on Invested Capital)	14,44%	Estimated by dividing the after-tax operating income by the book value of invested capital. ROC = EBIT (1-t) / (BV of Debt + BV of Equity-Cash) >>> (Nopat/CIN)
Capex/Depreciation	90,57%	Estimated by dividing the capital expenditures by depreciation (where depreciation Includes both depreciation and amortization)

Fundamental Growth	7,75%	Fundamental Growth in EPS =Retention Ratio * ROE. Dove: Retention Ratio = 1 - Dividend Payout Ratio
Fundamental Growth in EBIT	7,37%	ROC * Reinvestment Rate, based upon the aggregated values estimated in last two columns.
Expected growth in revenues next 2 years	12,36%	Growth totale dei ricavi attesa nei prossimi 2 anni
Expected Growth in EPS - Next 5 years	7,05%	Growth totale dell'utile netto attesa nei futuri 5 anni
CAGR in Net Income- Last 5 years	13,73%	Obtained using this year's earnings per share and earnings per share from 5 years ago: Historical Growth rate = (EPS (today)/EPS(5 years ago))^(1/5)-1 If EPS five years ago or today is negative, this number is not estimated
CAGR in Revenues- Last 5 years	15,12%	CAGR Revenues last 5 years
Sales/Capital	3,01	Asset turnover indicator; utile per definire il reinvestimento necessario a mantenere i ricavi aziendali [Reinvestment rate=crescita dei ricavi anno n+1 / (Sales/Capital) anno n; oppure Capital/Sales anno n * crescita dei ricavi anno n+1]; quanto maggiore è l'indice di rotazione tanto minori sono gli investimenti da eseguire nel settore; Inoltre Sales/Capital * ROS = ROIC
Capital/Sales	33,17%	Reciproco dell'indice di rotazione Sales/Capital
EV/SALES	0,70	Multiplo Asset Side, dove: EV (Enterprise Value) = Market value of equity + Market value of debt - Cash
EV/EBITDA	8,02	Multiplo Asset Side; Enterprise Value / EBITDA = (Market Value of Equity + Value of Debt-Cash) / EBITDA. EBITDA estimated by adding depreciation and amortization back to operating income (EBIT)
EV/EBIT	12,01	Multiplo Asset Side; dove Ebit=Operating income
Price / Sales (Prezzo / Fatturato)	0,50	Multiplo P/E (Equity Side)
Prezzo / Patr. Netto (P/BV)	1,66	Multiplo P/BV (Equity Side)
PRICE / EARNING (P / E)	18,80	Multiplo P/E (Equity Side)
EV/Invested capital	1,81	Multiplo Asset Side; dove: Invested capital = Book value of equity + Book value of debt - Cash - Goodwill

Cost of Capital by Damodaran										
Assunzioni										
Long Term Treasury bond rate =	4,580%	INPUT		Inflazione Area Euro Vs US						
Risk Premium to Use for Equity =	5,450%									
Global Default Spread to add to cost of debt =	0,830%			Costs of capital are in US\$. To convert to a different currency, please enter >>>	Expected inflation rate in Euros =	1,500%				
T (Aliquota fiscale) = Marginal tax rate =	16,736%			Expected inflation rate in US \$ =	2,500%					
Cost of Debt (COD)				Basis Spread (*)						
Basis Spread (*)	1,650%	Marginal rate? <input checked="" type="checkbox"/> Yes		Std Dev in Stock (sector) >>>		33,45%				
Global Default Spread to add to cost of debt	0,830%			Standard Deviation of Equity (in stock)		Basis Spread				
Spread totale	2,480%			0	0,25	0,990%				
Tasso Risk free	4,580%			0,25	0,4	1,650%				
COD pre tax	7,060%			0,4	0,65	2,068%				
Taxation (%)	16,736%			0,65	0,75	3,163%				
COD post imposte	5,878%			0,75	0,9	6,613%				
				0,9	1	8,338%				
		1	10	10,063%						
Costo del capitale										
Sector	Beta	Cost of Equity	E/(D+E)	Std Dev in Stock	Cost of Debt	Tax Rate	After-tax Cost of Debt	D/(D+E)	Cost of Capital	Cost of Capital (Euros)
Engineering/Construction	0,95	9,74%	58,95%	33,45%	7,060%	16,736%	5,878%	41,054%	8,153%	7,097%