

## Topic 12.

### COMPANY ANALYSIS AND BUSINESS VALUATION METHODS FOR MAKING FINANCIAL DECISIONS.

#### Introduction.

Business valuation is a critical process in financial decision-making, providing a basis for investment analysis, mergers and acquisitions, and strategic planning. It involves assessing a company's worth using various methods, such as financial statement analysis, discounted cash flow (DCF) models, and relative valuation techniques like the price/earnings (P/E) ratio. Accurate valuation helps stakeholders such as investors, creditors, analysts, and management understand a company's financial health, growth potential, and risk exposure. Investors use valuation to make informed investment choices, creditors assess a firm's creditworthiness, analysts evaluate market trends, and management leverages valuation insights for strategic decision-making and enhancing shareholder value.

#### RELATIVE VALUE MEASURES.

Relative value measures are market-based valuation methods that assess a company's worth by comparing it to similar firms using financial ratios derived from market prices. These methods rely on key multiples such as the price-to-earnings (P/E) ratio, price-to-book (P/B) ratio, enterprise value-to-EBITDA (EV/EBITDA), and price-to-sales (P/S) ratio. The approach assumes that similar companies should have comparable valuation metrics, making it useful for benchmarking and investment decisions. Investors, analysts, and financial managers use relative valuation to identify undervalued or overvalued stocks, aiding in mergers, acquisitions, and portfolio management. However, it depends on market efficiency and the accurate selection of comparable companies.

#### 1. The Price-To-Earnings (P/E) Ratio.

The Price-to-Earnings (P/E) ratio is a widely used valuation metric that indicates how much investors are willing to pay for each shilling of a company's earnings. It is calculated by dividing the market price per share by the earnings per share (EPS).

$$P/E = \frac{\text{Share Price}}{\text{Earnings Per Share}}$$

A high P/E ratio suggests that investors expect strong future growth, while a low P/E ratio may indicate an undervalued stock or lower growth expectations. The P/E ratio helps investors compare companies within the same industry and assess whether a stock is overvalued or undervalued relative to its earnings potential. However, it should be used alongside other financial indicators, as factors like industry trends, economic conditions, and accounting policies can influence the ratio.

#### Example 1.

Genesis Ltd. is a publicly traded company in the manufacturing sector. The company's shares are currently trading at UGX 12,000 per share on the Uganda Securities Exchange. According

to its recent financial statements, Genesis Ltd. reported an Earnings Per Share (EPS) of UGX 800.

The average P/E ratio for companies in the manufacturing sector is 18.

**Required:**

1. Calculate the Price-to-Earnings (P/E) ratio of Genesis Ltd.
2. Based on the industry average P/E ratio, assess whether Genesis Ltd.'s stock appears to be overvalued, undervalued, or fairly valued.
3. Briefly explain what the P/E ratio indicates about investor expectations for Genesis Ltd.

**2. The Price-To-Book (P/B) Ratio.**

The Price-to-Book (P/B) ratio is a valuation metric that compares a company's market value to its book value, helping investors assess whether a stock is fairly priced. It is calculated by dividing the market price per share by the book value per share (BVPS), where book value represents the company's net assets (total assets minus liabilities) divided by the number of outstanding shares as recorded on the balance sheet.

$$P/B = \frac{\text{Market Price Per Share}}{\text{Book Value Per Share}}$$

**But;**

$$BVPS = \frac{(\text{Total Assets} - \text{Total Liabilities})}{\text{No. of Outstanding Shares}}$$

A P/B ratio greater than 1 suggests that investors are willing to pay more than the company's book value, often due to expected future growth or strong earnings potential. Conversely, a ratio below 1 may indicate an undervalued stock or financial distress. While useful for comparing companies in asset-heavy industries, the P/B ratio should be analyzed alongside other financial metrics, as it may not fully capture intangible assets and future earnings potential.

**Example 2.**

Bethel Ltd a company in the construction industry, has the following financial data extracted from its balance sheet and market reports:

- Total Assets: UGX 5,000,000,000
- Total Liabilities: UGX 2,000,000,000
- Number of Outstanding Shares: 1,000,000 shares
- Current Market Price per Share: UGX 4,200

**Required:**

1. Compute the Price-to-Book (P/B) ratio of Bethel Ltd.
2. Based on your P/B ratio result, assess whether the company appears to be overvalued, undervalued, or fairly valued. Briefly explain your answer.

**3. The Price-To-Sales (P/S) Ratio.**

The Price-to-Sales (P/S) ratio is a valuation metric that compares a company's stock price to its revenue, helping investors assess how much they are paying for each shilling of sales. It is calculated by dividing the market capitalization (stock price × total shares outstanding) by the company's total revenue.

$$P/S = \frac{\text{Market Capitalization}}{\text{Revenue}}$$

**But; Market Capitalization = Share Price \* Total Shares Outstanding.**

A lower P/S ratio may indicate an undervalued stock, while a higher ratio suggests that investors expect strong future growth. Unlike earnings-based metrics, the P/S ratio is useful for evaluating companies with fluctuating profits or those in early growth stages that have not yet achieved consistent earnings. However, it does not account for profitability, cost structures, or debt levels, making it essential to use alongside other financial indicators for a comprehensive analysis.

### **Example 3.**

**MTN Ltd** a company listed on the Uganda Securities Exchange, has the following financial data:

- Share Price: **UGX 2,500**
- Total Shares Outstanding: **3,000,000 shares**
- Total Revenue for the year: **UGX 18,000,000,000**

### **Required:**

1. Calculate the **Market Capitalization** of MTN Ltd.
2. Compute the **Price-to-Sales (P/S) ratio** of the company.
3. Interpret the result. What does this P/S ratio suggest about how investors value MTN Ltd. relative to its revenue?

## **THE DISCOUNTED CASH FLOW (DCF).**

The Discounted Cash Flow (DCF) model is a valuation method used to estimate the intrinsic value of an investment by projecting its future cash flows and discounting them to their present value using a required rate of return. This approach is based on the principle that the value of an asset is determined by the present worth of its expected future cash inflows. The key components of a DCF model include forecasted cash flows, the discount rate (often derived from the Weighted Average Cost of Capital - WACC), and the terminal value. DCF analysis is widely used in investment decisions, mergers and acquisitions, and corporate finance to assess whether an asset is undervalued or overvalued. While highly detailed and theoretically sound, DCF models require accurate assumptions about growth rates, discount rates, and cash flow projections, making them sensitive to estimation errors.

### **Formula.**

$$DCF = \frac{CF_1}{(1+r)^1} + \frac{CF_2}{(1+r)^2} + \frac{CF_n}{(1+r)^n} + \frac{TV}{(1+r)^n}$$

$$DCF = \sum_{n=1}^i \frac{CF_n}{(1+r)^n} + \frac{Tv}{(1+r)^n}$$

Where;

Cf Cashflows

R Rate

n Number of Years /Period

Tv Terminal Value

#### Example 4.

**Xavi Ltd.** is being evaluated for a potential acquisition by ERON Ltd. The company is expected to generate the following free cash flows over the next five years:

Year	1	2	3	4	5
Cash Flows	300M	350M	400M	450M	500M

At the end of Year 5, Xavi Ltd. is expected to be sold for a **terminal value of UGX 2,500 million**. Xavi Ltd has valued its company at 4 Billion Shillings.

The appropriate **discount rate** (WACC) is **10%**.

#### Required:

1. Compute the **intrinsic value** of Xavi Ltd using Discounted Cashflow Technique.
2. Briefly explain what this DCF value represents for ERON Ltd in the acquisition process.

#### Example 5.

**EGOC Ltd.** is being evaluated for a potential acquisition by ORAC Ltd. The company is expected to generate the following free cash flows over the next five years:

Year	1	2	3	4	5
Cash Flows	330M	410M	400M	550M	600M
DCF@12%	0.893	0.797	0.712	0.636	0.567

At the end of Year 5, EGOC Ltd. is expected to have a terminal growth rate of 4%. ORAC Ltd has valued its company at 5 Billion Shillings.

The appropriate **discount rate** (WACC) is **12%**.

#### Required:

1. Compute the **intrinsic value** of EGOC Ltd using Discounted Cashflow Technique.
2. Briefly explain what this DCF value represents for ORAC Ltd in the acquisition process.

### **The Efficient Market Hypothesis (EMH).**

The Efficient Market Hypothesis (EMH) suggests that financial markets fully reflect all available information, meaning that asset prices always trade at their fair value. This has significant implications for business valuation, as it challenges the ability of investors to consistently achieve above-average returns through stock picking or market timing. Under EMH, valuation models like Discounted Cash Flow (DCF) or Price-to-Earnings (P/E) ratios may be less useful for predicting future price movements since stock prices already incorporate all known data. EMH is categorized into three forms, weak, semi-strong, and strong, where even insider information is reflected. While critics argue that market inefficiencies and investor behavior can create mispriced assets, EMH remains a foundational theory in financial economics and valuation.

#### **The Weak Form.**

The weak form of the Efficient Market Hypothesis (EMH) states that stock prices fully reflect all past trading information, such as historical prices, trading volume, and other market data. This implies that technical analysis, which relies on identifying price patterns and trends, cannot consistently generate excess returns because past price movements do not predict future prices. According to this form of EMH, investors cannot outperform the market using historical price data alone, but they may still find value in fundamental analysis, which examines financial statements and economic factors. However, anomalies like momentum effects challenge the weak-form EMH, suggesting that some patterns may persist in the short term due to investor behavior.

#### **The Semi-Strong Form.**

The semi-strong form of the Efficient Market Hypothesis (EMH) states that stock prices incorporate and reflect all publicly available information, including financial statements, earnings reports, economic news, and industry trends. This implies that neither technical analysis (which uses past price data) nor fundamental analysis (which examines financial statements and market conditions) can consistently generate above-average returns, as any new public information is quickly absorbed into stock prices. Investors seeking to outperform the market must rely on private or insider information, which is illegal in many markets. However, some anomalies, such as market overreactions and underreactions to news, challenge the semi-strong form, suggesting that markets may not always be perfectly efficient.

#### **The Strong-Form.**

The strong form of the Efficient Market Hypothesis (EMH) asserts that stock prices reflect all available information, including both public and private (insider) information. This means that no investor, regardless of access to privileged data, can consistently achieve above-average returns because all information is already incorporated into market prices. If markets were truly strong-form efficient, even corporate insiders with non-public knowledge, such as upcoming mergers or financial results, would not have an advantage. However, real-world evidence suggests that markets are not perfectly strong-form efficient, as insider trading can sometimes lead to abnormal profits. Regulatory bodies, such as the Uganda Securities

Exchange, enforce strict insider trading laws to maintain market fairness and prevent misuse of private information.

### **The Dividend Discount Model (DDM).**

The Dividend Discount Model (DDM) is a valuation method that estimates the intrinsic value of a company's stock based on the present value of its expected future dividends. It assumes that a stock's true worth is equal to the sum of all its future dividend payments, discounted back to their present value using a required rate of return. The most common form of DDM is Gordon's Growth Model, expressed as:

$$V_0 = \frac{D_1}{(r - g)}$$

#### **Where;**

- V<sub>0</sub> Value of Stock.
- D<sub>1</sub> Value of the next year dividend.
- r Required Rate of Return
- g Growth Rate.

The model is particularly useful for valuing companies with stable and predictable dividend growth. However, its accuracy depends on the assumptions made about dividend growth and the required return, making it less effective for companies that do not pay dividends or have highly variable payouts.

### **Example 6.**

Alpha Ltd. has consistently paid dividends and expects to continue growing its dividends at a constant rate. The company plans to pay a dividend of UGX 30,000 per share next year. The dividends are expected to grow at a constant rate of 5% per annum, and investors require a return of 12% on similar investments.

Required:

1. Using the Dividend Discount Model (Gordon's Growth Model), calculate the intrinsic value of Alpha Ltd.'s stock.
2. If Alpha Ltd.'s current market price is UGX 38,000 per share, advise whether the stock is overvalued, undervalued, or fairly valued, and explain your reasoning.

### **The Capital Asset Pricing Model (CAPM).**

The Capital Asset Pricing Model (CAPM) is a financial model used to determine the required return on equity by considering the relationship between risk and expected return. It helps investors assess the appropriate return for taking on additional risk in comparison to a risk-free investment. The formula for CAPM is:

$$E(R) = R_f + \beta(R_m - R_f)$$

where:

E(R) Expected Return  
R<sub>f</sub> Risk Free Rate  
R<sub>m</sub> Expected Market Return  
R<sub>f</sub> Risk Free Rate

Key components of CAPM include systematic risk (market risk that cannot be diversified away), beta ( $\beta$ ) (which measures a stock's sensitivity to market movements), and alpha ( $\alpha$ ) (which represents excess returns beyond what CAPM predicts). CAPM is widely used for valuing investments, estimating cost of equity, and making portfolio decisions. However, it assumes market efficiency and stable beta, which may not always hold in real-world conditions.

### Example 7.

Beta Technologies Ltd. is evaluating whether to invest in shares of Zeta Corp. The risk-free rate of return is currently 6%, and the expected return on the overall market is 14%. Zeta Corp's stock has a beta ( $\beta$ ) of 1.25.

Required:

1. Using the Capital Asset Pricing Model (CAPM), calculate the expected return on Zeta Corp's stock.
2. If Zeta Corp's actual return is currently 15%, advise whether the stock is overvalued, undervalued, or fairly valued, and explain your reasoning.

## Value Creation & Shareholder Value Analysis (SVA).

Value Creation refers to the process by which a company generates value for its shareholders by increasing its profitability, operational efficiency, and long-term growth potential. It involves strategies and actions that improve the company's financial performance, such as increasing revenues, reducing costs, innovating products, or expanding into new markets. Value creation is essential for driving up the company's stock price and delivering sustainable returns to its investors over time.

### The Key Value Drivers.

The Key Value Drivers are the fundamental factors that influence a company's ability to create value and enhance shareholder wealth. Here's an explanation of each:

#### 1. Revenue Growth.

Revenue growth refers to the increase in a company's sales or income over a period. It is a crucial driver of value creation as higher revenue indicates the company's ability to expand its market share, attract new customers, or increase sales from existing customers. Revenue growth can be driven by factors such as product innovation, geographic expansion, customer acquisition, and increasing demand for the company's offerings. Sustained revenue growth is essential for long-term value creation, as it forms the basis for increasing profitability.

## 2. **Profit Margins.**

Profit margins measure the efficiency with which a company converts revenue into profit. It is typically expressed as the ratio of net income to total revenue. High profit margins indicate that a company is effective at controlling its costs and generating a significant return on its sales. Increasing profit margins can be achieved by improving pricing strategies, reducing production costs, or optimizing operations. A company with strong and improving profit margins is better positioned to generate more value for its shareholders, as it retains more of its revenue as profit.

## 3. **Cost Efficiency.**

Cost efficiency involves optimizing a company's cost structure to improve profitability without sacrificing product quality or customer satisfaction. Companies achieve cost efficiency by streamlining operations, improving productivity, reducing waste, and utilizing economies of scale. Efficient cost management allows a company to increase its profit margins, enhance competitiveness, and generate higher returns, contributing significantly to value creation. Cost efficiency is especially critical in industries with tight margins or competitive pricing pressures.

## 4. **Investment Efficiency.**

Investment efficiency refers to how effectively a company allocates its capital to generate the highest possible return on investment. This involves making well-informed decisions on capital expenditures, such as investments in new projects, acquisitions, or equipment. A company with high investment efficiency ensures that its capital is used to create long-term value, whether through profitable growth, strategic expansion, or innovation. Efficient capital allocation results in maximizing returns while minimizing risks, ultimately enhancing shareholder value.

Measuring value creation involves using financial metrics to assess how well a company has created wealth for its shareholders. Two key metrics for measuring value creation are Market Value Added (MVA) and Total Shareholder Return (TSR).

### 1. **Market Value Added (MVA).**

Market Value Added (MVA) is a measure of the difference between the market value of a company and the capital invested in it by shareholders and debt holders. Essentially, it represents the wealth created or destroyed by a company over time. MVA is calculated as:

$$\mathbf{MVA = Market Value of a Company - Total Capital Invested}$$

The market value is derived from the company's stock price multiplied by the number of shares outstanding, while the total capital invested includes both equity and debt. A positive MVA indicates that the company has created value for its shareholders by generating returns that exceed the cost of capital, whereas a negative MVA suggests the company has destroyed value. MVA is a long-term indicator, showing the cumulative success of a company in creating value for its shareholders.

**Example 8.**

Omega Plc has 50 million outstanding shares, each trading at UGX 120 on the stock market. The company also has long-term debt of UGX 1.2 billion. The total capital invested in Omega Plc by shareholders and debt holders is UGX 6.8 billion.

Required:

1. Calculate the Market Value of Omega Plc.
2. Determine the Market Value Added (MVA).
3. Based on the MVA result, comment on whether Omega Plc is creating or destroying shareholder value.

**2. Total Shareholder Return (TSR).**

Total Shareholder Return (TSR) is a measure of the total return to an investor from holding a company's stock over a specific period. TSR combines both the **capital gains** (or losses) from changes in the stock price and the dividends paid to shareholders. The formula for TSR is:

$$TSR = \frac{(\text{Current Price} - \text{Purchase Price}) + \text{Dividends}}{\text{Purchase Price}}$$

TSR is expressed as a percentage and provides a comprehensive measure of how much an investor has earned or lost in terms of both stock price appreciation and dividends. A high TSR indicates strong performance, with the company delivering substantial returns to its shareholders, while a low or negative TSR suggests poor performance. TSR is useful for comparing the performance of different companies or investment portfolios.

**Example 9.**

An investor purchased 1,000 shares of Alpha Ltd. at a price of UGX 1,500 per share. After one year, the share price increased to UGX 1,800 per share, and the company paid a dividend of UGX 100 per share during the year.

Required:

1. Calculate the Total Shareholder Return (TSR) for the investor.
2. Briefly explain what this TSR indicates about Alpha Ltd.'s stock performance.

**SHAREHOLDER VALUE ANALYSIS (SVA).**

Shareholder Value Analysis (SVA) is a method used to assess a company's performance in terms of value creation for its shareholders. SVA focuses on measuring and enhancing shareholder wealth by considering both the financial and non-financial aspects of value creation. This includes evaluating metrics like Economic Value Added (EVA), which measures a company's ability to generate returns above its cost of capital, and the growth of earnings per share (EPS) and dividends. SVA helps management make decisions that align with maximizing shareholder wealth, such as prioritizing high-return investments or cost-saving initiatives. By focusing on shareholder value, companies aim to create long-term value that benefits investors and enhances overall corporate performance.

## **Strengths and Weaknesses of Shareholder Value Analysis (SVA)**

### **Strengths.**

#### **1. Focuses on Long-Term Value Creation.**

SVA emphasizes the importance of creating sustainable, long-term value for shareholders, rather than just focusing on short-term profits. This approach encourages companies to make decisions that will lead to sustained growth, profitability, and capital appreciation over time, which benefits shareholders in the long run. By focusing on value creation, companies can prioritize strategies that support innovation, cost efficiency, and strategic investments, all of which contribute to sustainable growth.

#### **2. Aligns Management Goals with Shareholder Interests.**

SVA helps align the objectives of management with the interests of shareholders, ensuring that management's actions are geared towards maximizing shareholder wealth. By using metrics like Economic Value Added (EVA) or MVA, which reflect the true profitability of a business after accounting for the cost of capital, management is encouraged to focus on decisions that generate value rather than pursuing actions that might boost short-term earnings at the expense of long-term value creation.

### **Weaknesses.**

#### **1. Difficult to Measure Precisely.**

Measuring shareholder value accurately can be challenging, as it involves complex calculations and assumptions. Metrics such as EVA or MVA require precise data on capital costs, future growth rates, and other financial factors, which may be difficult to estimate with certainty. This imprecision can lead to miscalculations and inconsistent results, making it hard to evaluate whether value is truly being created or destroyed.

#### **2. Can Be Manipulated Through Short-Term Financial Engineering.**

One of the criticisms of SVA is that it can be manipulated through short-term financial engineering tactics, such as share buybacks or altering accounting practices to improve short-term performance metrics. These actions can artificially boost shareholder value in the short term without necessarily contributing to long-term growth or sustainability. As a result, SVA may incentivize management to prioritize immediate financial gains rather than focusing on genuine, long-term value creation, potentially undermining the long-term health of the company.

## **Economic Value Added (EVA).**

Economic Value Added (EVA) is an alternative to Shareholder Value Analysis (SVA) and is a performance metric that focuses on measuring a company's ability to generate value over and above the cost of capital. EVA reflects the economic profit that a company generates by comparing its operating profits to its cost of capital, helping to determine whether a company is creating or destroying value for its shareholders. The key concept behind EVA is that a company must earn a return on its capital that exceeds the cost of that capital for value to be created.

**EVA Formula:**

$$EVA = (NOPAT - (WACC \times Capital\ Invested))$$

Where:

- **NOPAT (Net Operating Profit After Tax)** is the company's profit from its operations after taxes, but before financing costs (interest). i.e. PBIT

$$NOPAT = (PBIT * (1 - Tax\ Rate))$$

- **WACC (Weighted Average Cost of Capital)** is the company's average cost of capital, weighted by the proportion of debt and equity used to finance its operations.
- **Capital Employed** refers to the total capital invested in the business, which includes both equity and debt.

**How EVA Works.**

EVA measures the financial performance of a company by determining whether it is generating a return that exceeds the cost of capital invested in the business. A positive EVA indicates that the company is generating value for shareholders, while a negative EVA suggests that the company is not covering its cost of capital, thus destroying value. EVA is a useful tool because it links profitability to the cost of capital, providing a clear picture of whether a company is truly adding value in an economic sense, rather than just reporting accounting profits. This makes EVA a more rigorous measure of value creation compared to traditional profit-based metrics.

**Example 10.**

Below is a simplified statement of comprehensive income for Galaxy Ltd. for the year ended 31st December 2024:

Details	Amount (UGX Million)
Revenue	12,000
Cost of Goods Sold (COGS)	6,000
Gross Profit	6,000
Operating Expenses	2,000
Interest Expense	500
Tax Expense	1,050
PAT	2,450

Additional Information:

- Capital Invested: UGX 18,000 million
- Weighted Average Cost of Capital (WACC): 12%
- The company pays tax at a 30% rate on operating profit before interest.

Required:

1. Calculate the Net Operating Profit After Tax (NOPAT)
2. Compute the Economic Value Added (EVA).
3. Briefly explain what the EVA figure indicates about Galaxy Ltd.'s ability to create value for its shareholders.

### **Measuring Value Creation.**

Measuring Value Creation involves using both financial and non-financial indicators to assess how effectively a company is creating value for its shareholders and other stakeholders.

### **Financial Indicators.**

#### **1. Return on Investment (ROI).**

ROI is a measure used to evaluate the efficiency or profitability of an investment relative to its cost. It is calculated by dividing the net profit from an investment by the initial cost of that investment and is expressed as a percentage. A higher ROI indicates that the company is generating more profit relative to its investment. It is a critical indicator for assessing whether the company's capital allocation strategies are effectively contributing to value creation.

$$ROI = \frac{\text{Net Profit}}{\text{Cost of Investment}} \times 100$$

#### **2. Return on Equity (ROE).**

ROE measures the profitability of a company in relation to the equity capital invested by its shareholders. It indicates how effectively management is using shareholders' funds to generate profits. A higher ROE suggests that the company is efficiently utilizing its equity capital. ROE is particularly useful for comparing companies within the same industry.

$$ROE = \frac{\text{Net Income}}{\text{Shareholder's Equity}}$$

#### **3. Residual Income.**

Residual income is the amount of net income generated by a company after accounting for the cost of capital. It is calculated as the net income minus the equity charge (which is the cost of equity capital). Residual income helps assess if the company is creating value

beyond what is required to cover its cost of capital. A positive residual income indicates value creation, while a negative figure suggests value destruction.

$$RI = \text{Operating Income} - (\text{Minimum RRR} \times \text{Average Operating Assets})$$

## **Non-Financial Indicators.**

### **1. Brand Equity.**

Brand equity refers to the value a brand adds to a product or service, driven by consumer perception, recognition, and loyalty. A strong brand can command premium prices, maintain customer loyalty, and attract new customers, all of which contribute to value creation. High brand equity is an intangible asset that helps differentiate a company in the market, leading to long-term success and profitability.

### **2. Customer Satisfaction.**

Customer satisfaction measures how well a company's products or services meet or exceed customer expectations. Satisfied customers are more likely to return, recommend the company, and engage in repeat business, which drives revenue growth and loyalty. High levels of customer satisfaction are often linked to better financial performance, as loyal customers help sustain a company's long-term value creation.

### **3. Market Share Growth.**

Market share growth refers to the increase in a company's share of the total market for its products or services. Gaining market share signifies that the company is outperforming its competitors, increasing its customer base, and enhancing its competitive position. Market share growth often leads to higher revenue, better economies of scale, and greater brand recognition, all of which contribute to value creation over time.