Brand Finance®





Denmark 50 2018

The annual report on the most valuable Danish brands June 2018

Foreword.



David Haigh CEO, Brand Finance What is the purpose of a strong brand: to attract customers, to build loyalty, to motivate staff? All true, but for a commercial brand at least, the first answer must always be 'to make money'.

Huge investments are made in the design, launch, and ongoing promotion of brands. Given their potential financial value, this makes sense. Unfortunately, most organisations fail to go beyond that, missing huge opportunities to effectively make use of what are often their most important assets. Monitoring of brand performance should be the next step, but is often sporadic. Where it does take place, it frequently lacks financial rigour and is heavily reliant on qualitative measures, poorly understood by non-marketers.

As a result, marketing teams struggle to communicate the value of their work and boards then underestimate the significance of their brands to the business. Sceptical finance teams, unconvinced by what they perceive as marketing mumbo jumbo, may fail to agree necessary investments. What marketing spend there is, can end up poorly directed as marketers are left to operate with insufficient financial guidance or accountability. The end result can be a slow but steady downward spiral of poor communication, wasted resources, and a negative impact on the bottom line.

Brand Finance bridges the gap between marketing and finance. Our teams have experience across a wide range of disciplines from market research and visual identity to tax and accounting. We understand the importance of design, advertising, and marketing, but we also believe that the ultimate and overriding purpose of brands is to make money. That is why we connect brands to the bottom line.

By valuing brands, we provide a mutually intelligible language for marketing and finance teams. Marketers then have the ability to communicate the significance of what they do, and boards can use the information to chart a course that maximises profits. Without knowing the precise, financial value of an asset, how can you know if you are maximising your returns? If you are intending to license a brand, how can you know you are getting a fair price? If you are intending to sell, how do you know what the right time is? How do you decide which brands to discontinue, whether to rebrand and how to arrange your brand architecture? Brand Finance has conducted thousands of brand and branded business valuations to help answer these questions.

Brand Finance's research revealed the compelling link between strong brands and stock market performance. It was found that investing in highly-branded companies would lead to a return almost double that of the average for the S&P 500 as a whole.

Acknowledging and managing a company's intangible assets taps into the hidden value that lies within it. The following report is a first step to understanding more about brands, how to value them and how to use that information to benefit the business.

The team and I look forward to continuing the conversation with you.

About Brand Finance.

Brand Finance is the world's leading independent brand valuation and strategy consultancy.

Brand Finance was set up in 1996 with the aim of 'bridging the gap between marketing and finance'. For more than 20 years, we have helped companies and organisations of all types to connect their brands to the bottom line.

We pride ourselves on four key strengths:

- Independence
- Technical Credibility
- Transparency
- Expertise.

Brand Finance puts thousands of the world's biggest brands to the test every year, evaluating which are the strongest and most valuable.

For more information, please visit our website: www.brandfinance.com



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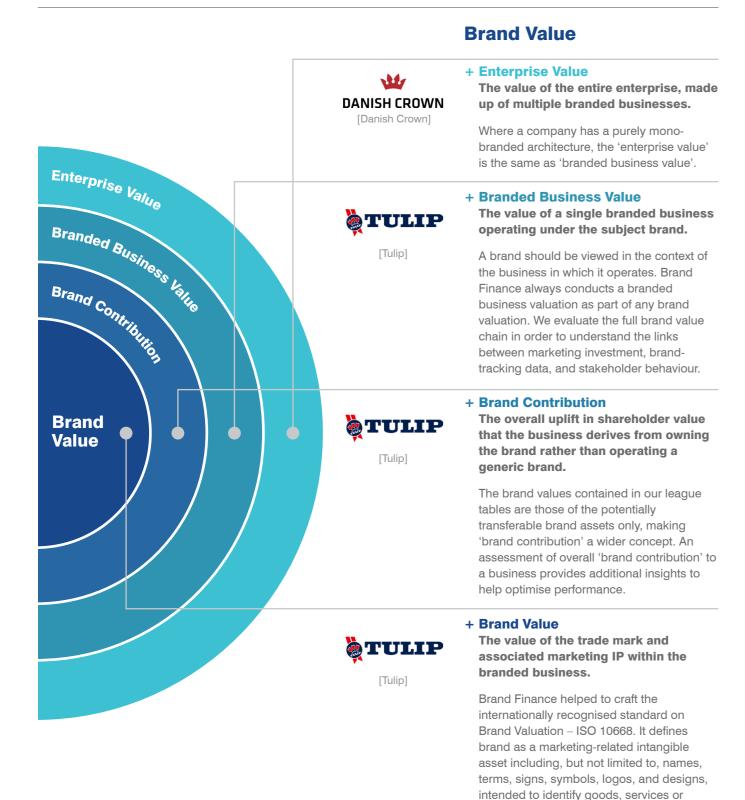
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Definitions.



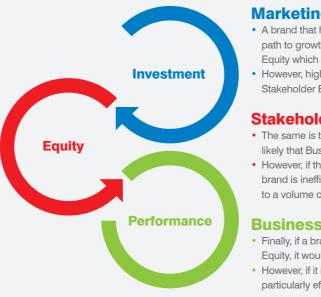
entities, creating distinctive images and associations in the minds of stakeholders, thereby generating economic benefits.

Brand Strength

Brand Strength is the efficacy of a brand's performance on intangible measures, relative to its competitors.

In order to determine the strength of a brand, we look at Marketing Investment, Stakeholder Equity, and the impact of those on Business Performance.





Each brand is assigned a Brand Strength Index (BSI) score out of 100, which feeds into the brand value calculation. Based on the score, each brand is assigned a corresponding rating up to AAA+ in a format similar to a credit rating.

Analysing the three brand strength measures helps inform managers of a brand's potential for future success.

Widely recognised factors deployed by marketers to create brand loyalty and

Perceptions of the brand among different stakeholder groups, with customers

Quantitative market and financial measures representing the success of the

Marketing Investment

 A brand that has high Marketing Investment but Iow Stakeholder Equity may be on a path to growth. This high investment is likely to lead to future performance in Stakeholder Equity which would in turn lead to better Business Performance in the future. • However, high Marketing Investment over an extended period with little improvement in Stakeholder Equity would imply that the brand is unable to shape customers' preference.

Stakeholder Equity

• The same is true for Stakeholder Equity. If a company has high Stakeholder Equity, it is likely that Business Performance will improve in the future.

• However, if the brand's poor Business Performance persists, it would suggest that the brand is inefficient compared to its competitors in transferring stakeholder sentiment to a volume or price premium.

Business Performance

• Finally, if a brand has a strong Business Performance but scores poorly on Stakeholder Equity, it would imply that, in the future, the brand's ability to drive value will diminish. • However, if it is able to sustain these higher outputs, it shows that the brand is particularly efficient at creating value from sentiment compared to its competitors.

Executive Summary.



Lego remains on top

The five most valuable Danish brands each fell in value over the last year, but Lego remained on top as the most valuable and strongest Danish brand. Lego's brand value dropped 5% over the last year to DKK47.9 billion, as the company's signature product faces increasing global competition from digital entertainment.

Lego's revenue for the full year declined 8% to DKK35.0 billion, down from DKK37.9 billion the previous year, with sales dropping in both North America and Europe. Two bright spots for the Lego brand were in China, where the company achieved significant sales growth, and in the brand's ability to reduce inventory, which may allow the company to be nimbler in responding to customer needs in the future.

Lego is also Denmark's strongest brand this year with a Brand Strength Index (BSI) score of 90.6 and a corresponding brand rating of AAA+. While the brand faces significant challenges from digital entertainment options, it continues to be extremely highly regarded by its key stakeholders – both children and their parents. This strength is based upon the brand's long-term reputation as a wholesome and high-quality toy. Lego remains Denmark's most valuable and strongest brand because it is recognised by customers as a high-quality toy that stimulates creativity, learning, and fun. Lego's brand strength will be particularly important as the rise of digital entertainment and a falling demand for their iconic bricks in the West continue to reshape the market. Building on the success of brand partnerships and on continued expansion in emerging markets, Lego still holds substantial potential as a brand.

David Haigh CEO, Brand Finance

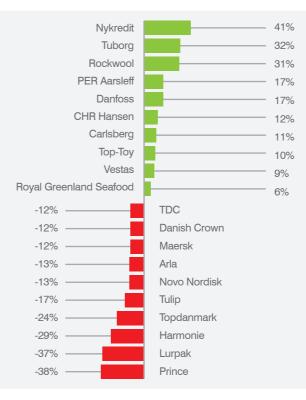
Top 5 lose over DKK10 billion

Dairy cooperative Arla (brand value down 13% to DKK21.7 billion) remained the second-most valuable Danish brand, with projections of future milk prices subduing earning expectations. Arla-endorsed Lurpak (down 37% to DKK2.8 billion) and Harmonie (down 29% to DKK1.0 billion) also recorded significant drop of brand value. Another Arla brand, Cultura, entered the Brand Finance Denmark 50 league table ranked 46th.

Danske Bank (brand value down 10% to DKK21.6 billion) and Maersk (brand value down 12% to DKK19.7 billion) each retained their respective rankings. Danske Bank remains the market leader in banking in Denmark and Northern Ireland but is a smaller brand relative to competitors in Sweden, Norway, and Finland. In recent years, the challenging economic conditions have created a difficult environment, but the brand is refocusing on improving customer experience, especially through online digital services.

For Maersk, 2017 was a year of fast and significant change as it sought to deliver on a new strategy of

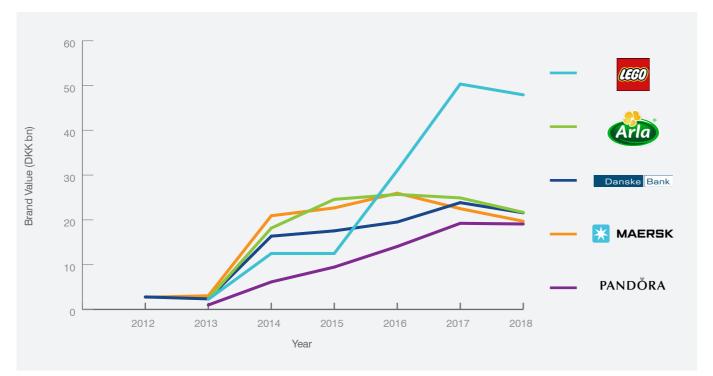
Brand Value Change 2017-2018 (%)



Top 10 Most Valuable Brands

LEGO 1	Rank 2018: 1 2017: 1 BV 2018: DKK47,920m BV 2017: DKK50,326m	→ -5%
	Brand Rating: AAA+	
2	Rank 2018: 2 2017: 2	\rightarrow
Arla 📕	BV 2018: DKK21,677m BV 2017: DKK24,905m	-10%
	Brand Rating: A+	
3	Rank 2018: 3 2017: 3 BV 2018: DKK21,575m	\rightarrow
Danske Bank	BV 2017: DKK23,844m Brand Rating: AA +	-13%
1	Rank 2018: 4 2017: 4	\rightarrow
💥 MAERSK 📕	BV 2018: DKK19,696m BV 2017: DKK22,501m	-12%
	Brand Rating: AA-	
. 5	Rank 2018: 5 2017: 5	\rightarrow
PANDŎRA	BV 2018: DKK19,078m BV 2017: DKK19,230m	-1%
	Brand Rating: AA+	
6	Rank 2018: 6 2017: 6 BV 2018: DKK14,897m	\rightarrow
	BV 2017: DKK14,154m Brand Rating: A	5%
7	Rank 2018: 7 2017: 7	\rightarrow
Vestas	BV 2018: DKK11,040m BV 2017: DKK10,121m	9%
	Brand Rating: A+	
Q	Rank 2018: 8 2017: 9	↑
D 5V	BV 2018: DKK10,454m BV 2017: DKK9,857m	6%
10.000	Brand Rating: A+	
9	Rank 2018: 9 2017: 10	1
	BV 2018: DKK9,212m BV 2017: DKK9,613m Brond Bating: AA	-4%
002 10000	Brand Rating: AA-	
٤ 10	Rank 2018: 10 2017: 8 BV 2018: DKK8,749m	↓
novo nordisk	BV 2017: DKK10,068m Brand Rating: AA-	-13%





Brand Value by Sector

Colour	Sector	Brand Value (DKK bn)	% of total
	Toys	47.9	16%
	Food	47.5	16%
	Banks	34.3	11%
	Apparel	23.1	8%
	Engineering & Construction	22.9	8%
	Retail	22.4	7%
	Others	105.4	35%
	Total	303.5	100%

finding new solutions for their energy businesses, while also integrating and transforming Maersk's transport and logistics operations. In time, Maersk's brand will be evaluated on whether it can successfully deliver integrated container shipping, ports, and logistics services, while creating value through the broader transport industry. Its recent acquisition of Hamburg Süd will be a key determinant in that strategy.

Denmark's fifth most valuable brand, Pandora also followed the wider downward trend as its brand value fell 1% to DKK19.1 billion. Altogether, the top 5 most valuable Danish brands lost nearly DKK10.9 billion of brand value over the past year.

Although operating in different sectors, all top five Danish brands are coincidentally facing significant market challenges. Adjusting to adverse conditions can take a toll on a brand's value and strength in the short run, but thanks to a smart transition strategy, those playing the long game can safeguard years of positive returns.

David Haigh CEO. Brand Finance

Nykredit bucks the trend

Bucking the downward trend among the country's top brands, Nykredit's brand value went up by 41% to DKK5.4 billion, earning it the title of Denmark's fastestgrowing brand of 2018. Well-regarded for its stable operations and responsible lending, the co-operative bank did not go into an IPO last year. Instead, in a cautious decision which better reflects Nykredit's brand values, its owners decided to raise extra DKK11.6 billion cash by offering minority stakes to Danish pension funds, and in effect reassured stakeholders and analysts of the brand's continued prospects of financial stability in the years to come.



CHRHANSEN

Improving food & health

Dantoss



BSI Score 71.9

BSI Score

BSI Score

68.5

70.8

BSI Score 72.9

BSI Score 73.1

BSI Score 74.7

76.3

Danske Bank

matas

TDC



PANDŐRA

BSI Score 78.8

BSI Score

BSI Score

76.8

LEED

BSI Score 90.6

Top 10 Strongest Brands

Brand Finance Denmark 50 (DKK m).

Top 50 most valuable Danish brands 1-50

Rank 2018	Rank 2017	Brand name	Sector	Brand value (DKK m) 2018	% change	Brand value (DKK m) 2017	Brand rating 2018	Brand rating 2017
1	1	Lego	Toys	47,920	-5%	50,326	AAA+	AAA+
2	2	Arla	Food	21,677	-13%	24,905	A+	A+
3	3	Danske Bank	Banks	21,575	-10%	23,844	AA+	AA+
4	4	Maersk	Logistics	19,696	-12%	22,501	AA-	AA
5	5	Pandora	Apparel	19,078	-1%	19,230	AA+	AAA-
6	6	ISS	Commercial Services	14,897	+5%	14,154	Α	А
7	7	Vestas	Engineering & Construction	11,040	+9%	10,121	A+	A+
8	9	DSV	Logistics	10,454	+6%	9,857	A+	A+
9	10	Coop Danmark	Retail	9,212	-4%	9,613	AA-	A+
10	8	Novo Nordisk	Pharma	8,749	-13%	10,068	AA-	AA-
11	13	Carlsberg	Beers					
12	14	Danfoss	Engineering & Construction	•				
13	11	TDC	Telecoms	•				
14	12	Dansk Supermarked	Retail					
14	New	Ørsted	Utilities					
16	21	Nykredit	Banks					
17	15	-	Food					
		Tulip		A			A	
18	16	Coloplast	Healthcare			<u> </u>	A	
19	23	Tuborg	Beers					A
20	20	Jyske Bank	Banks					
21	22	ECCO	Apparel					
22	17	Danish Crown	Food					
23	19	Danepak	Food					
24	24	Den Grønne Slagter	Food					
25	26	Тгуд	Insurance					
26	18	Lurpak	Food					
27	33	Rockwool	Engineering & Construction					
28	25	Topdanmark	Insurance					
29	29	CHR Hansen	Food					
30	27	GN	Tech					
31	32	KMD	Tech					
32	30	DFDS Seaways	Logistics					
33	28	Fakta	Retail					
34	34	Sydbank	Banks					
35	36	Royal Greenland Seafood	Food					
36	35	Novozymes	Pharma					
37	41	Тор-Тоу	Retail	•				
38	37	Rema 1000	Retail	•		<u> </u>		
39	New	NNIT	Commercial Services	•	•			
40	40	Spar Nord Bank	Banks		•			
41	46	PER Aarsleff	Engineering & Construction	•				
42	42	Alm Brand	Insurance	•				
43	45	Yousee	Telecoms					
44	39	Harmonie	Food					
45	43	Steff Houlberg	Food					
46	New	Cultura	Food					
40 47	48	Bang & Olufsen	Tech					
	40							
48		Lundbeck	Pharma				A	
49	38	Prince	Tobacco					



Methodology.

Brand Finance calculates the values of the brands in its league tables using the Royalty Relief approach – a brand valuation method compliant with the industry standards set in ISO 10668.

This involves estimating the likely future revenues that are attributable to a brand by calculating a royalty rate that would be charged for its use, to arrive at a 'brand value' understood as a net economic benefit that a licensor would achieve by licensing the brand in the open market.

The steps in this process are as follows:

- **1** Calculate brand strength using a balanced scorecard of metrics assessing Marketing Investment, Stakeholder Equity, and Business Performance. Brand strength is expressed as a Brand Strength Index (BSI) score on a scale of 0 to 100.
- **2** Determine royalty range for each industry, reflecting the importance of brand to purchasing decisions. In luxury, the maximum percentage is high, in extractive industry, where goods are often commoditised, it is lower. This is done by reviewing comparable licensing agreements sourced from Brand Finance's extensive database.
- 3 Calculate royalty rate. The BSI score is applied to the royalty range to arrive at a royalty rate. For example, if the royalty range in a sector is 0-5% and a brand has a BSI score of 80 out of 100, then an appropriate royalty rate for the use of this brand in the given sector will be 4%.
- 4 Determine brand-specific revenues by estimating a proportion of parent company revenues attributable to a brand.
- 5 Determine forecast revenues using a function of historic revenues, equity analyst forecasts, and economic growth rates.
- 6 Apply the royalty rate to the forecast revenues to derive brand revenues.
- 7 Brand revenues are discounted post-tax to a net present value which equals the brand value.

Disclaimer

Brand Finance has produced this study with an independent and unbiased analysis. The values derived and opinions produced in this study are based only on publicly available information and certain assumptions that Brand Finance used where such data was deficient or unclear. Brand Finance accepts no responsibility and will not be liable in the event that the publicly available information relied upon is subsequently found to be inaccurate. The opinions and financial analysis expressed in the report are not to be construed as providing investment or business advice. Brand Finance does not intend the report to be relied upon for any reason and excludes all liability to any body, government or organisation



Brand Strength Index (BSI)

Brand strength expressed as a BSI score out of 100.



Brand **Royalty Rate**

BSI score applied to an appropriate sector royalty range.

Brand Revenues Royalty rate applied to forecast revenues to derive brand value.

Brand Value

Post-tax brand revenues discounted to a net present value (NPV) which equals the brand value.

Understand Your Brand's Value.

A Brand Value Report provides a complete breakdown of the assumptions, data sources, and calculations used to arrive at your brand's value.

What is a Brand Value Report?

Brand Valuation Summary

- + Internal understanding of brand
- + Brand value tracking
- + Competitor benchmarking
- + Historical brand value

Brand Strength Index

- + Brand strength tracking
- + Brand strength analysis
- + Management KPIs
- + Competitor benchmarking

Royalty Rates

- + Transfer pricing
- + Licensing/franchising negotiation
- + International licensing
- + Competitor benchmarking

Cost of Capital

+ Independent view of cost of capital for internal valuations and project appraisal exercises

Customer Research

- + Utilities
- + Insurance
- + Banks
- + Telecoms

For more information regarding our Brand Value Reports, please contact:

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Each report includes expert recommendations for growing brand value to drive business performance and offers a cost-effective way to gaining a better understanding of your position against competitors.

What are the benefits of a Brand Value Report?



Insight

Provide insight as to how the brand is performing vs. key competitors on underlying measures and drivers of brand value and brand strength.



Strategy

X Understand where brand value is being generated by region and channel in order to identify areas of opportunity that warrant further investigation.



Benchmarking

Track year-on-year changes to brand value and set long-term objectives against which high-level brand performance can be benchmarked.



Education

Provide a platform of understanding which the company can use to educate employees on the importance of the brand.



Communication

Communicate your brand's success to shareholders, customers, and other strategically selected audiences.



Understanding

Understand and appreciate the value of your brand as an asset of the business.

Consulting Services.

1. Valuation: What are my intangible assets worth?

Valuations may be conducted for technical purposes and to set a baseline against which potential strategic brand JALUATION scenarios can be evaluated.

- + Branded Business Valuation
- + Trademark Valuation
- + Intangible Asset Valuation
- + Brand Contribution

4. Transactions: Is it a good deal? **Can I leverage my** intangible assets?

4. TRANSACTIONS Transaction services help buyers, sellers, and owners of branded businesses get a better deal by leveraging the value of their intangibles.

- + M&A Due Diligence
- + Franchising & Licensing
- + Tax & Transfer Pricing
- + Expert Witness

2. Analytics: How can I improve marketing effectiveness?

Analytical services help to uncover drivers of demand and insights. Identifying the factors which drive consumer behaviour allows an understanding of how brands create bottom-line impact.

- Market Research Analytics +
- Return on Marketing Investment +
 - Brand Audits +
 - Brand Scorecard Tracking +

3. Strategy: How can I increase the value of my branded business?

Strategic marketing services enable brands to be leveraged to grow businesses. Scenario modelling will identify the best opportunities, ensuring

resources are allocated to those activities which have the most impact on brand and business value.

Brand Governance +

- Brand Architecture & Portfolio Management +
 - Brand Transition +
 - Brand Positioning & Extension +

MARKETING

We help marketers to connect their brands to business performance by evaluating the return on investment (ROI) of brand-based decisions and strategies.



We provide financiers and auditors with an independent assessment on all forms of brand and intangible asset valuations.



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1931VHIS

Brand &

Business Value

We help brand owners and fiscal authorities to understand the implications of different tax, transfer pricing, and brand ownership arrangements.



outside of the courtroom.

Communications Services.

We offer a variety of services to help communicate your brand's success.







Brand Finance®

Strongest **Global Brand 2018 Your Brand**

> Example digital endorsement stamp for use on your website as well as in investor relations and advertising, to recognise your brand's performance.





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Brand Exchange is a member of the Brand Finance plc group of companies

Brand Dialogue[®]

Value-Based Communications

We execute strategic communications programmes to optimise the value of your business and to enhance brand perception among stakeholders.

SERVICES

- Research and Insights
- Project Management and Agency Steering
- Content and Channel Strategy
- Integrated Communications Planning and Execution
- Communications Workshops

For more information, contact enquiries@brand-dialogue.co.uk or visit www.brand-dialogue.co.uk

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