BARDI 20 Index®

The Entertainment Sector Index November 2016

By Silvia Torsellini

Bardi Co., LLC

633 West Fifth Street, 26th Floor Los Angeles, CA 90071 (877) 774-1326

Disclaimer

Copyright © 2016 Bardi Co. LLC, investment bank. All rights reserved. Redistribution or reproduction in whole or in part are prohibited without written permission. This document does not constitute an offer of services in jurisdictions where Bardi Co. LLC or their respective affiliates do not have the necessary licenses. All information provided by Bardi Co. LLC is impersonal and not tailored to the needs of any person, entity or group of persons. Bardi Co. LLC receives compensation in connection with licensing its indices to third parties and providing custom calculation services. Past performance of an index is not an indication or guarantee of future results.

It is not possible to invest directly in an index. Exposure to an asset class represented by an index is available through investable instruments based on that index. Bardi Co. LLC makes no assurance that investment products based on the index will accurately track index performance or provide positive investment returns. A decision to invest in any such investment fund or other investment vehicle should not be made in reliance on any of the statements set forth in this document. Prospective investors are advised to make an investment in any such fund or other vehicle only after carefully considering the risks associated with investing in such funds, as detailed in an offering memorandum or similar document that is prepared by or on behalf of the issuer of the investment fund or other investment product or vehicle. Bardi Co. LLC is not a tax advisor. A tax advisor should be consulted to evaluate the impact of any tax-exempt securities on portfolios and the tax consequences of making any particular investment decision. Inclusion of a security within an index is not a recommendation by Bardi Co. LLC to buy, sell, or hold such security, nor is it considered to be investment advice. Closing prices for Bardi Co. LLC's BARDI 20 Index are calculated by Bardi Co. LLC based on the closing price of the individual constituents of the index as set by their primary exchange. Closing prices are received by Bardi Co. LLC from the primary exchanges. Real-time intraday prices are calculated similarly without a second verification.

These materials have been prepared solely for informational purposes based upon information generally available to the public and from sources believed to be reliable. No content contained in these materials (including index data, ratings, credit-related analyses and data, research, valuations, model, software or other application or output therefrom) or any part thereof ("Content") may be modified, reverse-engineered, reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written permission of Bardi Co. LLC. The Content shall not be used for any unlawful or unauthorized purposes. Bardi Co. LLC does not guarantee the accuracy, completeness, timeliness or availability of the Content. Bardi Co. LLC is not responsible for any errors or omissions, regardless of the cause, for the results obtained from the use of the Content. THE CONTENT IS PROVIDED ON AN "AS IS" BASIS. BARDI CO. LLC DISCLAIMS ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT WILL OPERATE WITH ANY SOFTWARE OR HARDWARE CONFIGURATION. In no event shall Bardi Co. LLC be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs) in connection with any use of the Content even if advised of the possibility of such damages.

Performance Disclosure

Charts and graphs are provided for illustrative purposes. Past performance is not an indication or guarantee of future results. The charts and graphs may reflect hypothetical historical performance. All information presented prior to the launch date is back-tested. Back-tested performance is not actual performance, but is hypothetical. The back-test calculations are based on the same methodology that was in effect when the index was officially launched.

The BARDI 20 Index defines various dates to assist our clients in providing transparency on their products. The First Value Date is the first day for which there is a calculated value (either live or back-tested) for the BARDI 20 Index. The Base Date is the date at which the BARDI 20 Index is set at a fixed value for calculation purposes. The Launch Date designates the date upon which the values of the BARDI 20 Index are first considered live: index values provided for any date or time period prior to the index's Launch Date are considered back-tested. The BARDI 20 Index defines the Launch Date as the date by which the values of an index are known to have been released to the public, for example via BARDI CO. LLC's public website or its datafeed to external parties.

The index returns shown do not represent the results of actual trading of investable assets/securities. Index returns do not reflect payment of any sales charges or fees an investor may pay to purchase the securities underlying the BARDI 20 Index or investment funds that are intended to track the performance of the BARDI 20 Index. The imposition of these fees and charges would cause actual and back-tested performance of the securities/fund to be lower than the index performance shown.

All enquiries must be addressed to:

Christiano Manfre
Managing Director
Bardi Co., LLC
T: +1 (877) 774 1326
M: +1 (310) 993 9960
cmanfre@bardico.com

Silvia Torsellini
Associate
Bardi Co., LLC
T: +1 (877) 774 1326
M: +1 (310) 905 4953
storsellini@bardico.com

Table of Contents

BARDI 20 Definition and Objectives	3
Companies Qualifications/Criteria	3
Selection of Companies	4
Constituents Description	5
BARDI 20 Index Value	11
BARDI 20 Compared to FTSE 100	13
BARDI 20 Compared to S&P 500	15
Bardi Co.	17
Contact	18

BARDI 20 Definition and Objectives

The BARDI 20 Index is a global stock market index based on the market capitalizations of the 20 most relevant companies in the Entertainment Industry, specifically companies that engage in Movie/TV Production, Distribution, and Licensing. These companies are listed on: NYSE, NASDAQ, ENXTPA, SHSE, SEHK, SZSE, LSE, and TSE.

The BARDI 20 Index is a Free Float Market Capitalization Index; the constituents of the index have market capitalization between \$1 billion and \$160 billion (ca).

Companies Qualifications/Criteria

In order to be part of the BARDI 20 Index, each company has to satisfy the following criteria:

- The BARDI 20 Index comprehends only companies with a market capitalization above \$1 billion;
- The BARDI 20 Index includes only companies that have had their IPOs at least for 3 years;
- The BARDI 20 Index includes only companies with at least \$200 million in Volume;
- Companies are included in the BARDI 20 Index if they engage in the following:
 - Production and Distribution of: Feature Films, Television, and Recorded Music (SVOD, VOD, Pay-Tv, Filmed Entertainment);
 - Content Management and Distribution; Multimedia and Digital Content;
 - Licensing of: TV Programming, Feature Films, Digital and Music Content.

Selection of Companies

At the time this document is written, the BARDI 20 Index comprehends the following companies:

- 1. Comcast Corporation (NasdaqGS:CMCS.A)
- **2.** The Walt Disney Company (NYSE:DIS)
- **3.** Time Warner Inc. (NYSE:TWX)
- **4.** Twenty-First Century Fox, Inc. (NasdaqGS:FOXA)
- 5. Vivendi SA (ENXTPA:VIV)
- **6.** Viacom, Inc. (NasdaqGS:VIAB)
- 7. Toho Co. Ltd. (TSE:9602)
- **8.** Alibaba Pictures Group Limited (SEHK:1060)
- 9. Huayi Brothers Media Corporation (SZSE:300027)
- 10. Beijing Enlight Media Co., Ltd. (SZSE: 300251)
- 11. Zhejiang Huace Film & TV Co., Ltd. (SZSE:300133)
- **12.** Lions Gate Entertainment Corp. (NYSE:LGF)
- 13. Beijing Hualu Baina Film & TV Inc. (SZSE:300291)
- 14. Technicolor SA (ENXTPA:TCH)
- **15.** Visual China Group Co., Ltd. (SZSE:000681)
- 16. Nan Hai Corp Ltd. (SEHK:680)
- 17. Shanghai New Culture Media Group Co., Ltd. (SZSE:300336)
- 18. Lead Eastern Investment Co., Ltd. (SZSE:000673)
- **19.** Entertainment One, Ltd. (LSE:ETO)
- **20.** Toei Co., Ltd. (TSE:9605)

Constituents Description

As of October 11th, 2016 (Base Date & First Value Date)

1. Comcast Corporation

KEY BUSINESS: Cable Communications, Cable Networks, Broadcast TV, Filmed Entertainment, Theme Parks.

Reasons for being included:

- Market Cap > \$1 bil: \$156,742.9 (mm)
- IPO > 3 yrs: 1972
- Volume >200k: 4.80 (mm)

2. The Walt Disney Company

KEY BUSINESS: Media Networks, Broadcast, Parks & Resorts, TV Production & Distribution, Studio Entertainment, Parks & Resorts, Consumer Production.

Reasons for being included:

- Market Cap > \$1 bil: \$147,338.9 (mm)
- IPO > 3 yrs: 1968
- Volume >200k: 3.09 (mm)

3. Time Warner Inc.

KEY BUSINESS: Cable TV Network, Digital Media, Programming to SVOD, Premium Pay & Basic Tier TV; Production, Distribution, and Licensing of TV programming & Feature Films.

- Market Cap > \$1 bil: \$60,979.5 (mm)
- IPO > 3 yrs: 1992
- Volume >200k: 1.27 (mm)

4. Twenty-First Century Fox, Inc.

KEY BUSINESS: Cable Network Programming, Television, Filmed Entertainment, Direct Broadcasting.

Reasons for being included:

- Market Cap > \$1 bil: \$45,822.4 (mm)
- IPO > 3 yrs: 2004
- Volume >200k: 5.17 (mm)

5. Vivendi SA

KEY BUSINESS: Pay-TV, Free-to-air channels, Cinema Films, TV series, Recorded Music, Digital Media, Video on Demand.

Reasons for being included:

- Market Cap > \$1 bil: \$25,440.3 (mm)
- IPO > 3 yrs: 2000
- Volume >200k: 6.85 (mm)

6. Viacom, Inc.

KEY BUSINESS: TV Programs, Motion Pictures, Short-form Content, Applications, Games, Consument Products, Social Media.

Reasons for being included:

- Market Cap > \$1 bil: \$14,114.6 (mm)
- IPO > 3 yrs: 2005
- Volume >200k: 3.30 (mm)

7. Toho Co., Ltd.

KEY BUSINESS: Production, Distribution, and Movie Rentals; TV Programs, Movie Pamphlets, Video and Audio Software; Management of: Movie Theaters and Sports Parks.

Reasons for being included:

• Market Cap > \$1 bil: \$5,614.4 (mm)

• IPO > 3 yrs: 1992

• Volume >200k: 1.02 (mm)

8. Alibaba Pictures Group Limited

KEY BUSINESS: Film and TV copyrights investment, production, & distribution;

Magazine & TV Advertising.

Reasons for being included:

• Market Cap > \$1 bil: \$5,427.9 (mm)

• IPO > 3 yrs: 2012

• Volume >200k: 7.23 (mm)

9. Huayi Brothers Media Corporation

KEY BUSINESS: Ownership, Production, and Distribution of Film and TV Productions;

Talent Agency, Music, Cultural Tourism, Video Games, Location-based Entertainment.

Reasons for being included:

• Market Cap > \$1 bil: \$5,134.4 (mm)

• IPO > 3 yrs: 2009

• Volume >200k: 12.25 (mm)

10. Beijing Enlight Media Co., Ltd.

KEY BUSINESS: Production and Distribution of TV Programs.

Reasons for being included:

• Market Cap > \$1 bil: \$4,778.7 (mm)

• IPO > 3 yrs: 2011

• Volume >200k: 9.63 (mm)

11. Zhejiang Huace Film & TV Co., Ltd.

KEY BUSINESS: Investment, Production, and Distribution of Film & TV Dramas.

- Market Cap > \$1 bil: \$3,599.4 (mm)
- IPO > 3 yrs: 2010
- Volume >200k: 4.03 (mm)

12. Lions Gate Entertainment Corp.

KEY BUSINESS: Motion Picture Production, Television Production.

Reasons for being included:

- Market Cap > \$1 bil: \$2,936.3 (mm)
- IPO > 3 yrs: 1998
- Volume >200k: 1.30 (mm)

13. Beijing Hualu Baina Film & TV Inc.

KEY BUSINESS: Film & TV Production, Content Marketing, Media Agency.

Reasons for being included:

- Market Cap > \$1 bil: \$2,822.5 (mm)
- IPO > 3 yrs: 2012
- Volume >200k: 1.94 (mm)

14. Technicolor SA

KEY BUSINESS: Equipment, Content Management & Distribution, Video, Game, Music DVD Distribution, Software Libraries, Tech Licensing.

Reasons for being included:

- Market Cap > \$1 bil: \$2,590.4 (mm)
- IPO > 3 yrs: 1999
- Volume >200k: 1.50 (mm)

15. Visual China Group Co., Ltd.

KEY BUSINESS: Visual Communications, New Media Business; Imagery, Videos, Music, Multimedia, and Digital Content; Licensing and Copyright Distribution platform; Entertainment Content.

- Market Cap > \$1 bil: \$2,517.2 (mm)
- IPO > 3 yrs: 2014
- Volume >200k: 8.2 (mm)

16. Nan Hai Corp Ltd.

KEY BUSINESS: Culture & Media, Property Development, Corporate IT Services; Film Distribution and Production; Cinemas Operation; Advertising.

Reasons for being included:

- Market Cap > \$1 bil: \$1,865.6 (mm)
- IPO > 3 yrs: 1992
- Volume >200k: 78.7 (mm)

17. Shanghai New Culture Media Group Co., Ltd.

KEY BUSINESS: Production and Distribution of Radio, Film, and TV Programs; TV plays, Movies.

Reasons for being included:

- Market Cap > \$1 bil: \$1,637.5 (mm)
- IPO > 3 yrs: 2012
- Volume >200k: 3.18 (mm)

18. Lead Eastern Investment Co., Ltd.

KEY BUSINESS: Film and TV Content Production; Entertainment Operations.

- Market Cap > \$1 bil: \$1,538.0 (mm)
- IPO > 3 yrs: 1997
- Volume >200k: 20.35 (mm)

19. Entertainment One Ltd.

KEY BUSINESS: Acquisition, Production, and Distribution of TV, Family, Film, and Music Content.

Reasons for being included:

- Market Cap > \$1 bil: \$1,538.0 (mm)
- IPO > 3 yrs: 1997
- Volume >200k: 20.35 (mm)

20. Toei Co., Ltd.

KEY BUSINESS: Theatrical Movies, TV dramas, Direct-to-Video, and Anime Production; Movie Theatres and Cinema Complexes Management; Video Content and Media Distribution; Broadcasting Media.

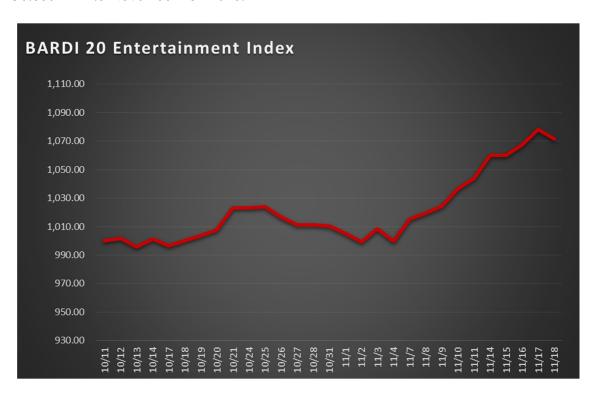
- Market Cap > \$1 bil: \$1,538.0 (mm)
- IPO > 3 yrs: 1997
- Volume >200k: 20.35 (mm)

BARDI 20 Index Value

We collected data starting from the Base Date (October 11th, 2016) until November 18th, 2016. The process to get the Index Value from the total of the 20 companies' Free Float Market Caps can be summarized as follows:

- We established the Weighted Market Cap Divisor by taking the sum of all Free Float
 Market Cap of the 20 companies and dividing it by the Base Date (October 11th, 2016)
 Index Required, which we set to 1,000;
- For the Base Date our Weighted Market Cap Divisor turned out to be 444.85;
- We gathered the total of the 20 companies' Free Float Market Caps for each day and divided it by our Weighted Market Cap Divisor;
- We utilized the Excel add-in *Stock Connector* in order to have live prices for each stock each day, as set by their primary exchange;
- Furthermore, we calculated the percentage change for each day (since October 11th, 2016).

Below there is the BARDI 20 Entertainment Index graph, showing the index movements from October 11th to November 18th 2016:



Index Specifics

As of November 2nd, 2016

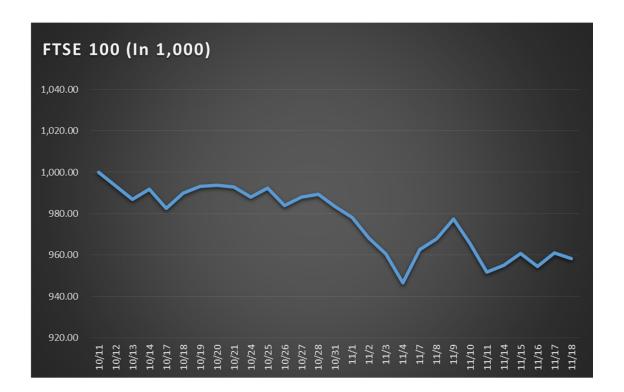
The Control Property of the Co	
Attributes	BARDI 20
Number of constituents	20
Net Mcap (USDmm)	492,917.78
Dividend Yield %	1.62
Constituents Sizes (Net Mcap USDmm)	
Average	24,575.50
Largest	147,708.70
Smallest	1,006.60
Median	4,053.50
Weight of Largest Constituent (%)	29.97
Top 5 Holdings (% Index MCap)	89.68

BARDI 20 Compared to FTSE 100

> FTSE 100

The FTSE 100 (Financial Times Stock Exchange) is one of the most popular and widely used stock market index around the globe. The FTSE 100 is part of the FTSE UK Series and is designed to measure the performance of the 100 largest companies traded on the London Stock Exchange that pass screening for size and liquidity. The FTSE 100 utilizes the market-capitalization weighted methodology.

Below there is the FTSE 100 graph, showing the index movements from October 11th to November 18th 2016, converted in 1,000 in order to compare it with the BARDI 20.



> BARDI 20 & FTSE 100

We decided to compare the BARDI 20 Index to the FTSE 100 because it represents a benchmark for leading market participants in the UK. In order to compare the two indices, we collected data and calculated daily returns from October 11th, 2016 to November 18th, 2016.

Looking at the Average Daily Returns, the BARDI 20 shows better returns during this period; indeed, the BARDI 20 performed 0.0024 while the FTSE 100 did -0.0015. Then, by annualizing these returns, the resulting percentage for the BARDI 20 is 84.82%, while for the FTSE 100 IS -31.68%.

As for the standard deviation, the BARDI 20 shows a 0.0071 while the FTSE 100 0.0079; by annualizing both standard deviations, we get 11.30% for the BARDI 20 and 12.52% for the FTSE 100.

See details below.

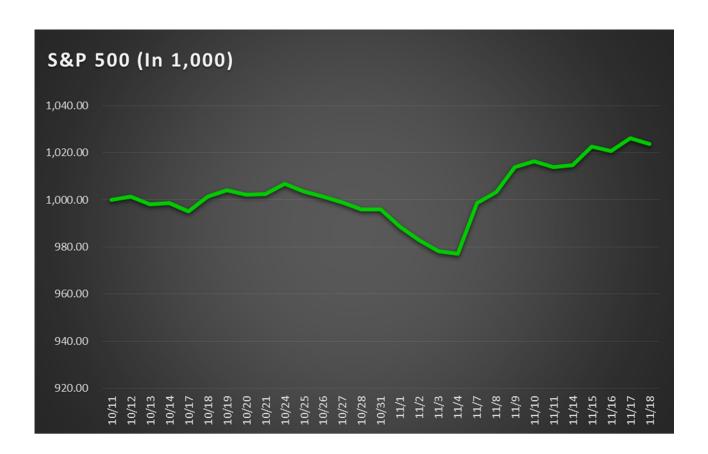
	BARDI 20	FTSE 100
Daily Average Return	0.0024	-0.0015
Annualized Return	84.82%	-31.68%
Standard Deviation	0.0071	0.0079
Annualized St. Dev.	11.30%	12.52%

BARDI 20 Compared to S&P 500

> S&P 500

The S&P 500 is widely regarded as the best single gauge of large-cap U.S. equities. Over \$7.8 trillion is benchmarked to the index, with index assets comprising approximately \$2.2 trillion of this total. The index includes 500 leading companies and captures approximately 80% coverage of available market capitalization.

Below there is the S&P 500 graph, showing the index movements from October 11th to November 18th 2016, converted in 1,000 in order to compare it with the BARDI 20.



> BARDI 20 & S&P 500

We decided to compare the BARDI 20 Index to the S&P 500 because of its wide market breadth of the large-cap companies included in the index. Indeed, the S&P 500 provides a broad view on the economic health of the United States. As we did with the FTSE 100, in order to compare the two indexes, we collected data and calculated daily returns from October 11th, 2016 to November 18th, 2016.

Looking at the Average Daily Return, the BARDI 20 shows better returns during the period analyzed; in fact, the BARDI 20 performed 0.0024 while the S&P 500 did 0.0008. Then, by transforming these returns on an annual basis, the BARDI 20 showed a 84.82% return, while as for the S&P 500 a 23.16%.

As for the Standard Deviation, the BARDI 20 shows a 0.0071 while the S&P 500 0.0059; by annualizing the standard deviation for both indexes, we get 11.30% for the BARDI 20 and 9.27% for the S&P 500.

See details below.

	BARDI 20	S&P 500
Daily Average Return	0.0024	0.0008
Annualized Return	84.82%	23.16%
Standard Deviation	0.0071	0.0059
Annualized St. Dev.	11.30%	9.27%

Mergers & Acquisitions



Corporate Finance Advisory

633 West Fifth Street 26 Floor Los Angeles, CA 90071 (800) 774-1326 www.bardico.com

Bardi Co. is a boutique investment bank headquartered in Los Angeles, California, with affiliate offices in Parma, Italy, Christchurch, New Zealand, Hong Kong and a strategic relationship with the Japanese management consulting firm Dream Incubators, run by the former head of Boston Consulting Group's Tokyo practice. Our firm focuses on:

- Mergers & acquisitions (buy-side and sell-side)
- Capital raising
- Business valuation

Our senior advisors have more than 100 years' combined experience handling complex domestic and cross-border M&A transactions and business valuations in virtually every economic sector.

The team's comprehensive expertise ranges from middle-market transactions and worldwide corporate financial advisory services to business valuation assignments for multiple purposes, with particular emphasis on the following industries.

- Media, Tech, and Entertainment
- Specialty Food and Beverage
- Apparel and Accessories
- Manufacturing, Engineering, and Aerospace
- Hospitality and Gaming
- Health, Medical, and Wellness

Our Mission

Bardi Co. has earned its reputation among clients and within the industry as a whole through foresight, analytical rigor, independence, and confidentiality. By providing objective advice and meticulous analysis in each of the company's comprehensive advisory offerings, Bardi Co. strives to help clients successfully achieve their goals and maximize shareholders value.

Contact

For additional information:

Silvia Torsellini

Associate

Bardi Co., LLC

T: +1 (877) 774 1326

M: +1 (310) 905 4953

storsellini@bardico.com

Christiano Manfre

Managing Director

Bardi Co., LLC

T: +1 (877) 774 1326

M: +1 (310) 993 9960

cmanfre@bardico.com

This Page Was Intentionally Left Blank