



# IPD SA ANNUAL GREEN PROPERTY INDEX METHODOLOGY

The IPD South Africa Annual Green Property Index tracks the performance of Green Star Certified Prime & Grade A Office properties and compares it to the rest of the IPD Prime & Grade A Office Universe

# Portfolio Data Collection

Confidentiality and Convenience

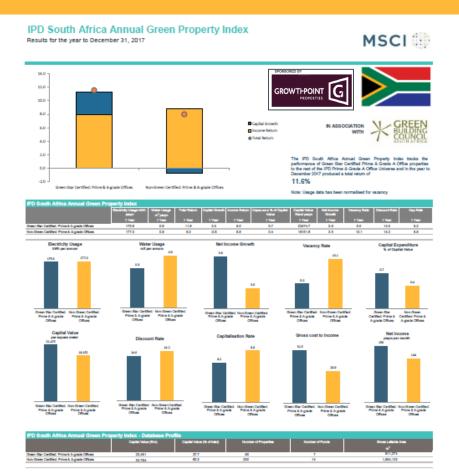
# Validation & Aggregation

Audit, verification, client sign off and aggregation

#### Aggregation/ Segmentation

Independence and Accuracy





Identify Green Star rated Prime & A-grade office properties Compare to Non-Certified Prime & Agrade Offices

**Headline Returns** 

Sector & segment benchmarks

Comparative reporting of Property Fundamentals

# **FORMAT**

- > INTRODUCTIONS
- > APPROACH
- > FINDINGS
- ➤ AN INVESTOR PERSPECTIVE ESG
- > Q&A



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For more than 40 years, MSCI has helped the world's leading institutional investors build and manage better portfolios



850+ ETFs are based on MSCI indexes, more than any other index provider<sup>1</sup>

Over USD 13 Trillion in assets are benchmarked to MSCI Indexes<sup>2</sup>

94% of US pension fund assets invested in global equities are benchmarked to MSCI<sup>3</sup>

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MSCI Global Risk and Performance Engine runs up to 1 Trillion calcs/day

Broad and Deep Asset Coverage: 17+ Million client positions, 2 Million time series, 52 Global FI Markets, 1,300+ issuer curves



World's largest provider of Environmental, Social and Governance (ESG) data and research<sup>4</sup>

47 of top 50 global asset managers<sup>5</sup> 900+ clients including 125 asset owners

220+ dedicated full time staff globally to ESG business, including 150+ ESG research analysts<sup>6</sup>



Global leader in Real Estate performance analysis and risk services

In over 30 markets worldwide

Analysis tools that can be applied to all types of Real Estate

**40**<sup>+</sup> YEARS IN BUSINESS

**33** GLOBAL LOCATIONS

2,600<sup>+</sup> EMPLOYEES

7,500 ACTIVE CLIENTS



#### MSCI REAL ESTATE – DIRECT & FUND LEVEL PROPERTY INDEXES







### **SOUTH AFRICA**

#### IPD Universe Benchmark - December 2017

1995 INDEX INCEPTION DATE

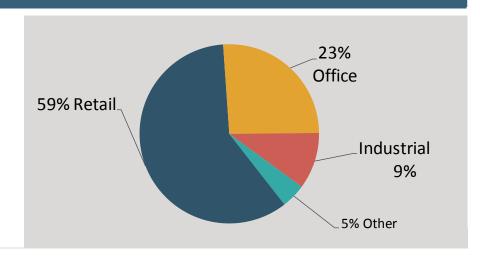
NUMBER OF PORTFOLIOS

1 649 NUMBER OF ASSETS

R 356 GROSS CAPITAL VALUE (bn)

~ 67% **COVERAGE** 

Source: MSCI

































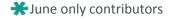












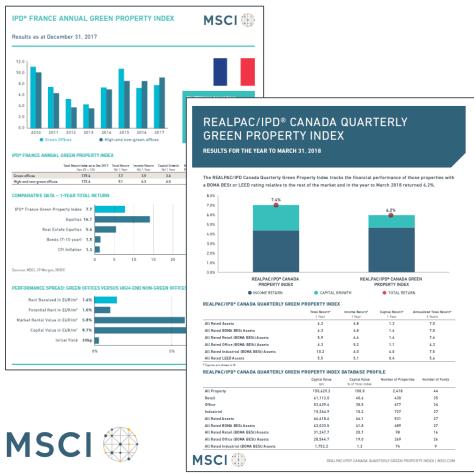
# **MSCI GREEN INDEXES ACROSS THE WORLD**

### **METHODOLOGY**

#### **GREEN PROPERTY INDEX**

#### FRANCE, CANADA, SOUTH AFRICA

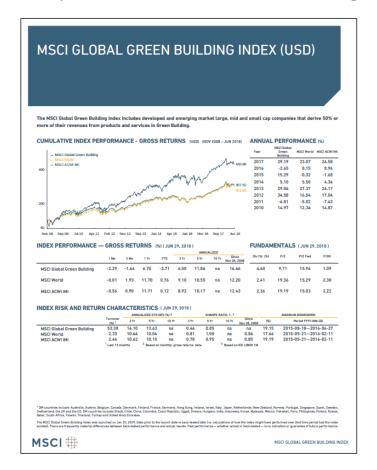
Measures the performance of directly-held investment properties (without leverage) that are green certified



#### **GREEN EQUITY INDEX**

#### MSCI Global Green Building Index

Includes developed and emerging market large, mid and small cap companies that derive 50% or more of their revenues from products and services in Green Building.



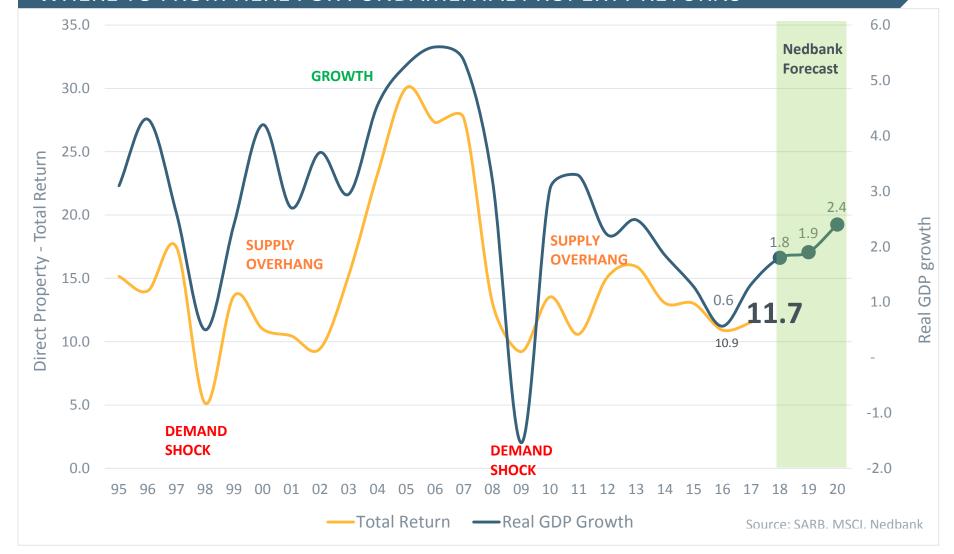
# **APPROACH**

IPD South Africa Annual Green Property Index



## REAL ESTATE RETURNS & ECONOMIC GROWTH

#### WHERE TO FROM HERE FOR FUNDAMENTAL PROPERTY RETURNS





#### CONTEXT – GRANULAR APPROACH TO ACHIEVED NET INCOME

#### **Basic Rent**



#### **Total Variable Recoveries**

- Variable Electricity Recoveries
- Variable Municipal Recoveries
- Other Variable Recoveries

#### **Gross Rental**



#### **Total Fixed Recoveries**

- Municipal Fixed Electricity Recoveries
- Fixed Rates & Taxes Recoveries
- Fixed Recoveries
- Other Fixed Recoveries

#### **Total Income**

#### Less:

#### **Total Operating Expenditure**

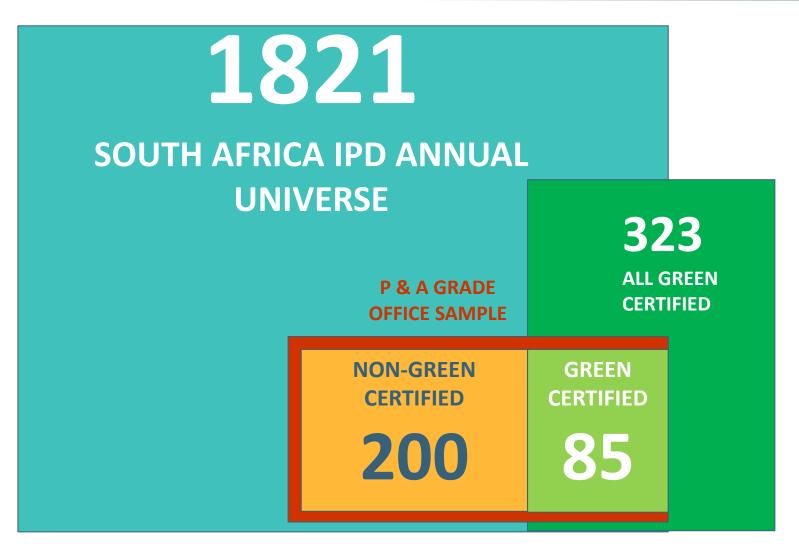
- Building Management Cost
- Cleaning Expenditure
- Security Costs
- Garden Cost
- R&M: Air Conditioning
- R&M: Elevators and Escalators
- R&M: Building Expenditure
- Rates and Taxes
- Other Municipal/Utility Charges
- Electricity
- Non Capex TI Costs
- Insurance
- Managing Costs
- Letting Fees and Commissions
- Bad Debts Written off
- Landlord Marketing Expense
- Other Operating Expenses

#### **Net Income**



# SAMPLE SIZE – SA GREEN INDEX

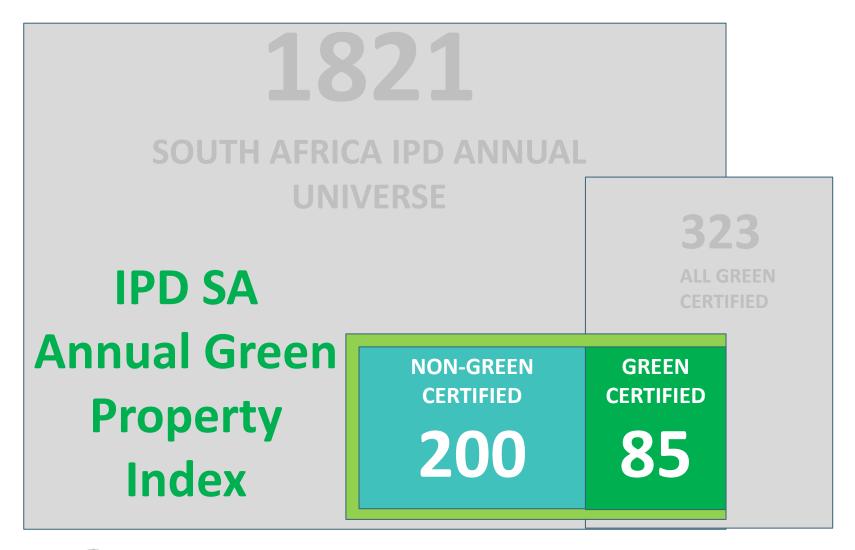
PRIME & A-GRADE OFFICES; DEC-2017





# SAMPLE SIZE – SA GREEN INDEX

PRIME & A-GRADE OFFICES; DEC-2017





# SAMPLE SIZE – SA GREEN INDEX

PRIME & A-GRADE OFFICES; DEC-2017

	Capital Value (Rm)	Capital Value (% of total)		Gross Lettable Area
Green Star Certified	20,481	37.7	85	911,274
Non-Green Certified	33,794	62.3	200	1,834,123



# **FINDINGS**

IPD South Africa Annual Green Property Index

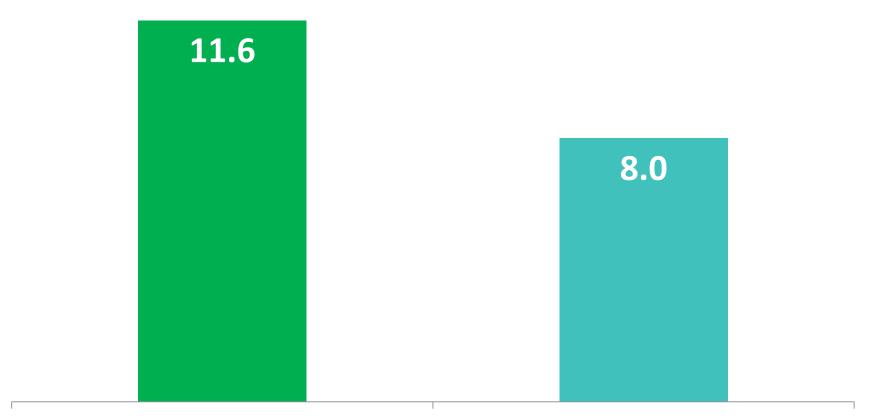


## **GREEN STAR OFFICES HIGHER RETURN IN 2017**

#### 360BP OUTPERFORMANCE ON 2017 TOTAL RETURN

#### **Total Return**

%; Standing Investments; 2017



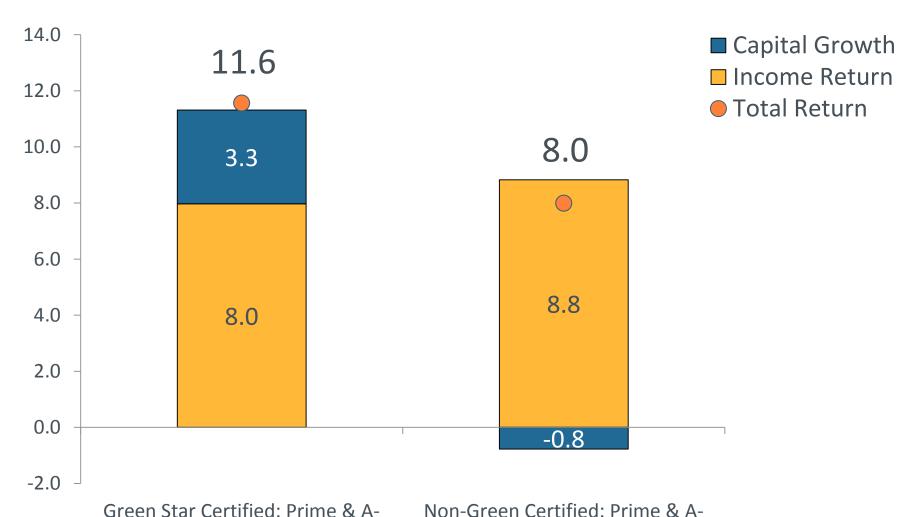
Green Star Certified: Prime & A-grade Offices

Non-Green Certified: Prime & A-grade Offices



# **GREEN STAR OFFICES HIGHER RETURN IN 2017**

### DRIVEN BY SUPERIOR CAPITAL GROWTH





grade Offices

Non-Green Certified: Prime & Agrade Offices

# HIGHER CAPITAL GROWTH FOR GREEN PROPERTY

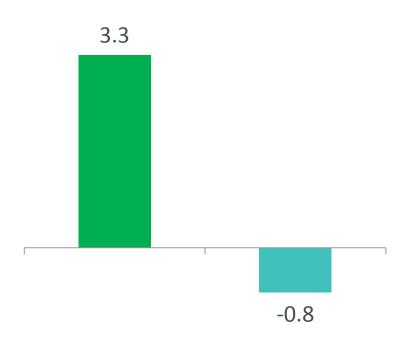
#### HIGHER CAPITAL GROWTH DESPITE HIGHER CAPEX



%; 2017

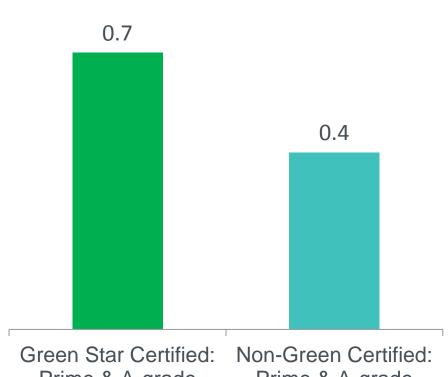
# **Capital Expenditure**

% of Capital Value



Green Star Certified: Prime & Certified: Prime & A-grade Offices

Non-Green A-grade Offices



Prime & A-grade Offices

Prime & A-grade Offices



## DRIVERS OF GREEN CAPITAL GROWTH

#### **VALUATION METRICS & PROPERTY FUNDAMENTALS**

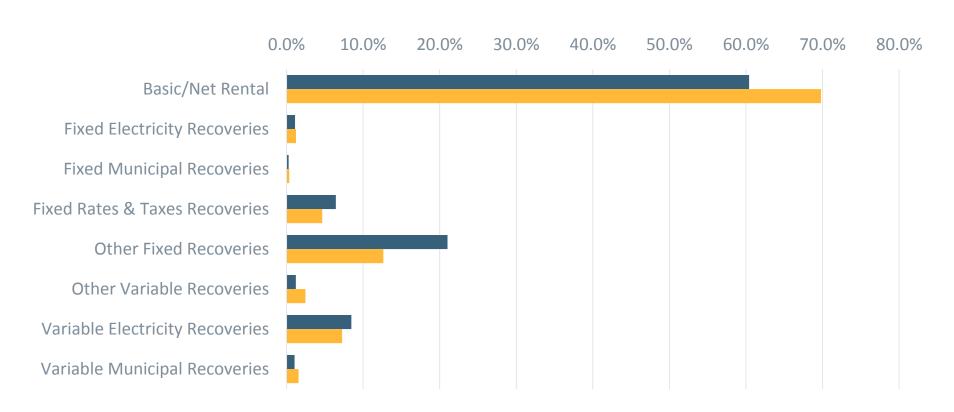




## GREEN INCOME= HIGHER WEIGHT IN RECOVERIES

#### LOWER % OF TOTAL INCOME FROM BASE RENTAL

#### **Income Categories as a % of Total Income**

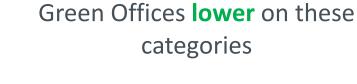


■ Green Certified: Prime & Grade A Offices ■ Non-Green Certified: Prime & Grade A Offices

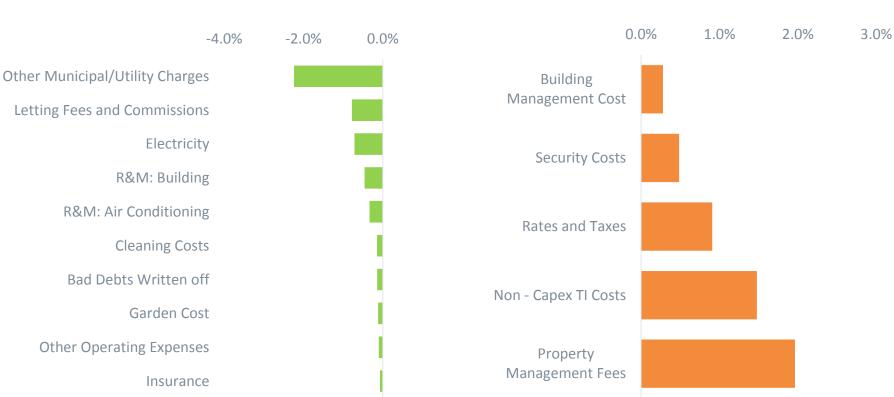


# GREEN LOWER ELECTRICITY, WATER, GARDENS

OPS COST % OF TOTAL OPS COSTS – RELATIVE TO NON-GREEN



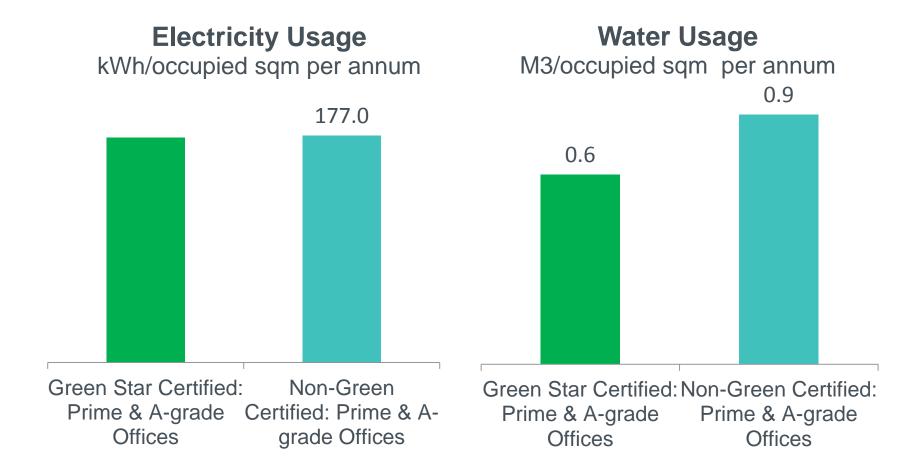
# Green Offices **higher** on these categories





## GREEN STAR CERTIFIED OFFICES MORE EFFICIENT

#### 1% LESS ELECTRICITY & 24% LESS WATER THAN NONE-CERTIFIED





# INVESTOR PERSPECTIVE

Increasing Focus on Portfolio Risk & ESG Factors



# 2018 – ESG TRENDS TO WATCH



#### SIFTING FOR MANAGEMENT QUALITY IN EMERGING MARKETS

...use ESG signals to help navigate the evolving size and shape of the Emerging Markets investment universe. More than 15% of Emerging Markets domiciled constituents of the MSCI ACWI Index have ESG Ratings that eclipse their country's ESG Sovereign Ratings, making them country outperformers worth watching.



#### FIRST STEPS IN SCENARIO TESTING CLIMATE CHANGE

...expand their view of portfolio climate risk from company carbon footprint to macro exposures across asset classes. We found that at least 40% of each major asset class is exposed to countries at high risk to irreparable physical damage under a high warming scenario.



#### ACCELERATION OF ESG INTO FIXED INCOME INVESTING

...be catalyzed to adopt ESG factors in fixed income investments, as demand from leading asset owners to align their ESG frameworks across asset classes coincides with interest in how ESG factors can add value to credit analysis. Recent research on ESG and equity performance suggests that a company's ESG Rating could signal a form of "unmatured" event risk.



#### LOOKING BEYOND SUSTAINABILITY DISCLOSURE

...look to alternative data sources to balance the growing volume of corporate sustainability disclosure. In our own ESG Ratings, 65% of a company's rating on average is driven by data sources beyond voluntary disclosure.



#### THE YEAR OF THE HUMAN

...increasingly seek opportunities to invest in talent quality, as Artificial Intelligence (AI) redefines work tasks to require higher skilled human input. While good workforce data is hard to come by, we find evidence that companies with stronger human capital practices had better productivity growth than industry peers.



# CONCLUSION

IPD South Africa Annual Green Property Index



# **CONCLUSIONS**

- Green certified prime & A-grade offices produced a total return of 11.6% in 2017
   360bps higher than non-certified P & A-offices
- Capital Growth drove outperformance (3.3% vs. -0.8%)
- Green offices had a higher capital growth despite higher capex
- Green office capital growth driven by superior valuation metrics & property fundamentals
  - Lower discount rate
  - Lower cap rate
  - higher net income/sqm
  - higher net income growth
  - lower vacancy rate
- Green certified prime & A-grade offices reported a 1% lower electricity usage per occupied square meter & a 24% lower water usage per occupied square meter.



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Our line of products and services includes indexes, analytical models, data, real estate benchmarks and ESG research.

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