## International Housing Solutions



## ESMAP Knowledge Exchange Forum Vienna, Austria

Cathal Conaty Managing Director IHS

Performance Built on Integrity, Innovation & Service.

- IHS is....
- Housing in Emerging Markets
- Why Isn't It Already Green
- Catalyzing a Market
- Case Study
- Other Ways to Do This

- 30 people, mainly Joburg, affordable housing specialists
- SAWHF 1
  - R 1.9 Billion of equity for affordable housing
  - 35 projects, 26,000 units
  - 9,000 sold to date, 5,000 rented
- IHS Residential Partners 1
  - \$86 million targeted at middle market. 2,200 units
- IHS Fund II
  - \$180m raised for SA and SSA, first deals closing now

A key partner of the DFI and Impact Investing community



#### **Housing in Emerging Markets**

# Emerging markets are in the midst of a construction boom

• China will have 250 million people move to new and growing cities

- India will double its buildings stock by 2030
- South Africa is expected to add 100,000 new homes each year

### **Housing in Emerging Markets**

LSM	2005	2013	Compound Annual Growth Rate	Average Household Income Per month
1	2'317'000	526'171	-17%	R1,418
2	3'745'000	1'352'085	-12%	R2,058
3	3'979'000	2'191'998	-7%	R2,422
4	4'582'000	4'357'096	-1%	R3,160
5	4'132'000	6'299'379	5%	R4,242
6	4'451'000	8'874'086	9%	R6,518
7	2'174'000	4'473'970	9%	R10,930
8	1'609'000	3'203'922	9%	R15,197
9	1'972'000	3'656'862	8%	R22,092
10	1'695'000	2'279'748	4%	R36,796

- Urbanisation (3.9m in SA over 10 years)
- Shrinking household size
- Major backlog

IHS

- Aspiration growing with incomes
  - Affordability is key

#### **Housing in Emerging Markets**



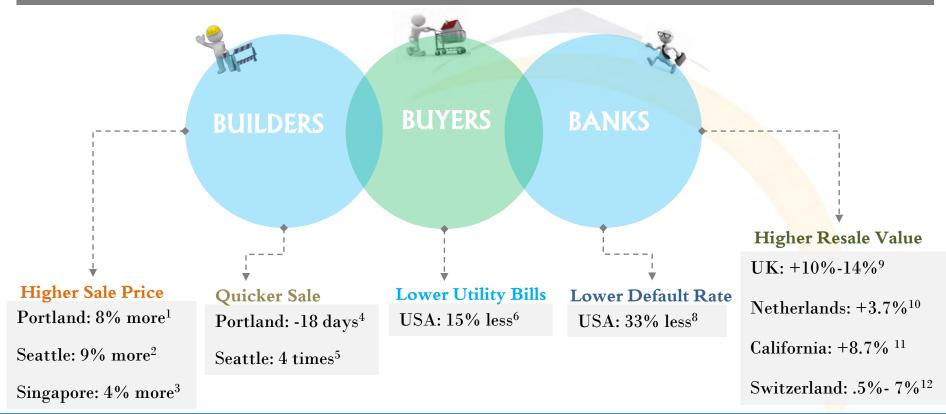
Greening construction offers a chance to lock in energy and water savings at a low cost and to secure emission cuts for decades to come

#### Why Isn't Affordable Housing Green?

- About 1% of households in SA have solar hot water
- Penetration is lowest amongst low-income households
- Key obstacle 1: it costs more
- Key obstacle 2: people aren't aware of the benefits

#### Why Isn't Affordable Housing Green?

#### Creating a green value chain

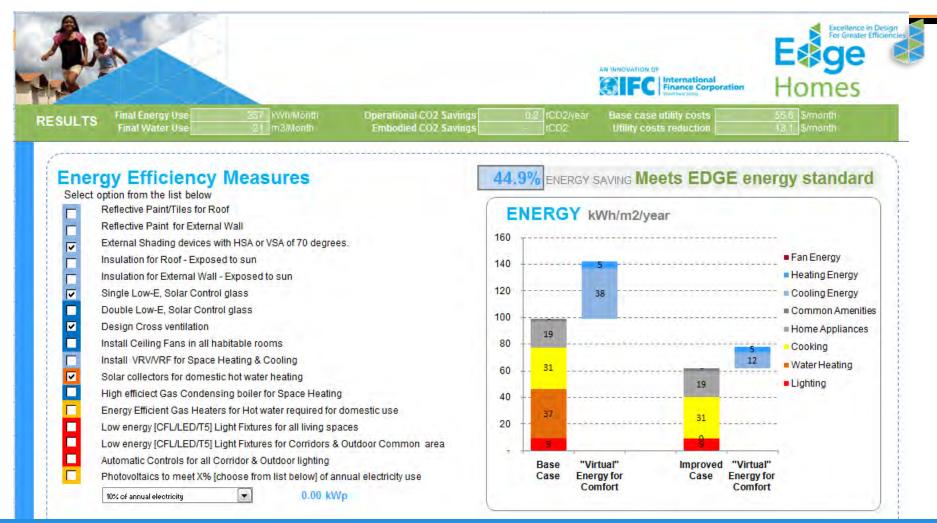


Once there is a simple, quick, and affordable rating system, all parties can recognize and capture the value of superior building performance

#### **Catalysing a Market**

- IFC and KfW investing with IHS to create supply and demand in green housing.
- Commitment to 5,060 homes.
- IFC and KfW take the downside risk.
- They benefit disproportionately if homes are sold for more.
- Use of one clear standard.
- Commitment to measuring the benefits.
- Commitment to public awareness.

#### **A Clear Standard**

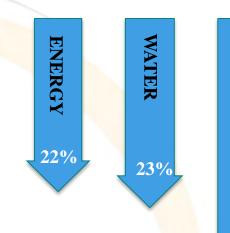


EDGE has data of utility costs and climate for different cities. It spells out the most cost-effective options for achieving benefits.

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#### **A Case Study**





MATERIALS

46%

- solar hot-water
- water efficient fittings
- low energy lights
- increased level of insulation
- low E windows
- low embodied energy materials
- smart prepaid meters

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#### **Other Ways To Do This**

- Key element is risk. Someone needs to take the risk that the house can't be sold for more, at the beginning.
- The private sector won't do that, and the public sector doesn't have the money.
- But municipalities can play that role without spending money – eg by fast-tracking approvals for housing projects that have green design certification.
- Banks can do that, because utility savings increase debt service capability in rental housing.
- Again, the standard, the measurement, the publicity are all key.