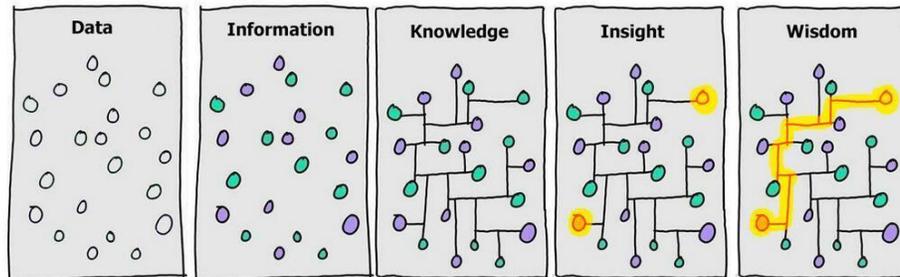


“Connecting the Dots: From Proptech to Smart Cities”

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for **MIPIM PROPTech**



Data is crucial for the success of both proptech & smart cities. But, why?

First of all, kudos to MIPIM Proptech and all the readers for this opportunity to share our research and views on the intersection of proptech and smart cities. We hope that together, we can all become better experts in connecting the dots from proptech ... to better buildings ... to smarter, greener cities.

To tell you a bit about myself, I spent about 30 years in the United States and graduated college there in the 1970's. Could you imagine, back then, we didn't have Internet, mobile smartphones or even laptops; things that I consider daily necessities today. Finance was my college major but, for some unknown reason, I dual-majored in an unusual field called, Decision Sciences: the study of how to convert pertinent data into useful information upon which to base important decisions. Maybe, that's why I like the "connecting the dots" diagram showing the "data-information-knowledge-insight-wisdom" spectrum. Too much data, too little wisdom, maybe?

As we meet with proptech and real estate experts all over the world, I sometimes wonder, "Have we been effective enough in extracting useful insights and wisdom from all that data?" Lots of people talk about data. We collect a lot of data, monitor it and throw in onto nice dashboards but the valuable insights are far and few between. We should talk less about data and focus more on building wisdom; Wisdom to ask ourselves, "Why do we do the things we do?" We hope that MIPIM Proptech will become the leading global forum where proptech, real estate and smart city experts can discuss "WHY?" along with the "what?" and "how?":

- **Why MIPIM Proptech?** To learn and to inspire each other, with multi-disciplinary teams of experts; to connect the dots toward our shared vision for a better, smarter, greener future.
- **Why Smart Cities?** To address the global challenges of Climate Change and rapid urbanization by reducing our carbon footprint in our cities with better buildings and smarter, greener cities.
- **Why Real Estate?** To accelerate "public-private" partnerships to attract the trillions of dollars needed to address these global challenges where we live, work and play.
- **Why Proptech?** To develop solutions to "design-build-operate" better buildings and smarter & greener cities and making it financially attractive to do so.

So, what exactly is a Smart City? A big part is about real estate!

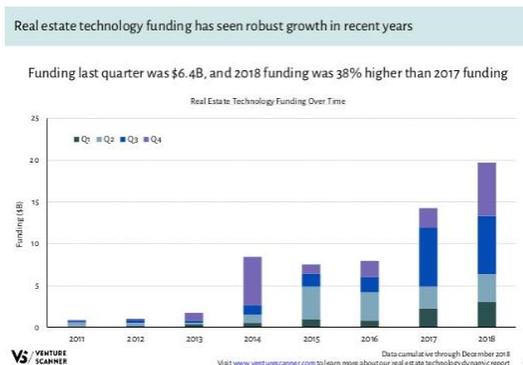
We collaborate with the Smart Cities Council based in Washington, DC and we like the definition framework in their "Code for Smart Communities 2018" ... to help guide urban development practices by embracing technology, data and intelligent design as a catalyst for positive change. While much of the smart cities discussion and investment has been largely led by local governments, we need to acknowledge that cities are built upon the foundations of smaller communities like neighborhoods, campuses, mixed-use developments and the like. We believe this community-level transformation is the most effective way to influence whole cities and regions into smart cities. So the way we look at it, smart cities are, in large part, smart & green real estate developments consisting of smart, healthy buildings to improve the way people live, work & play.

As the global challenges of Climate Change and rapid urbanization continue to mount, it places immense pressure on our cities to maintain a high level of livability, productivity and sustainability. Real estate investors and developers can no longer ignore these challenges that cities face:

- Smart cities enjoy greater economic growth as companies and talent are attracted to the better quality of life, smart infrastructure and sustainable lifestyles they offer. So naturally, they are attracted to the adoption of proptech in homes and offices to improve living standards, enhance productivity and create dynamic urban places.
- Climate Change has begun to financially impact real estate. One example is New York City's passage of the Climate Mobilization Act requiring landlords to upgrade their buildings to stricter energy efficiency standards starting as early as 2024. Other Climate Change related risks are imminent: "brown discounts" of buildings that are not "green", reduced prices of buildings in cities with climate resiliency issues and increased insurance premiums. Proptech can help real estate reduce these financial impacts as well as lead positive changes.

Proptech connecting the dots ... to better buildings and to smarter, greener cities.

To better understand the world of proptech, we studied Venture Scanner tracking investments in 12 defined categories of "real estate technology". As of the end 2018, proptech investments surpassed the US\$70 billion mark, with almost US\$20 billion invested in 2018 alone.



Real Estate Technology
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Contact: info@venturescanner.com
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With all 1137 companies

Proptech is a powerful enabler to monitor, measure, analyze and improve the performance of our built environment. With the help of machine learning and artificial intelligence, we can expect data analytics to play an increasingly important role to improve the quality of life, create efficiencies, improve sustainability and create jobs for local economies. What's great about proptech is that it can help improve existing real estate portfolios as well as new construction. Here are a few of our favorite proptech categories and objectives:

