

# MAKING CENTS OF NEW TECHNOLOGIES



**BRUCE SANDERS**  
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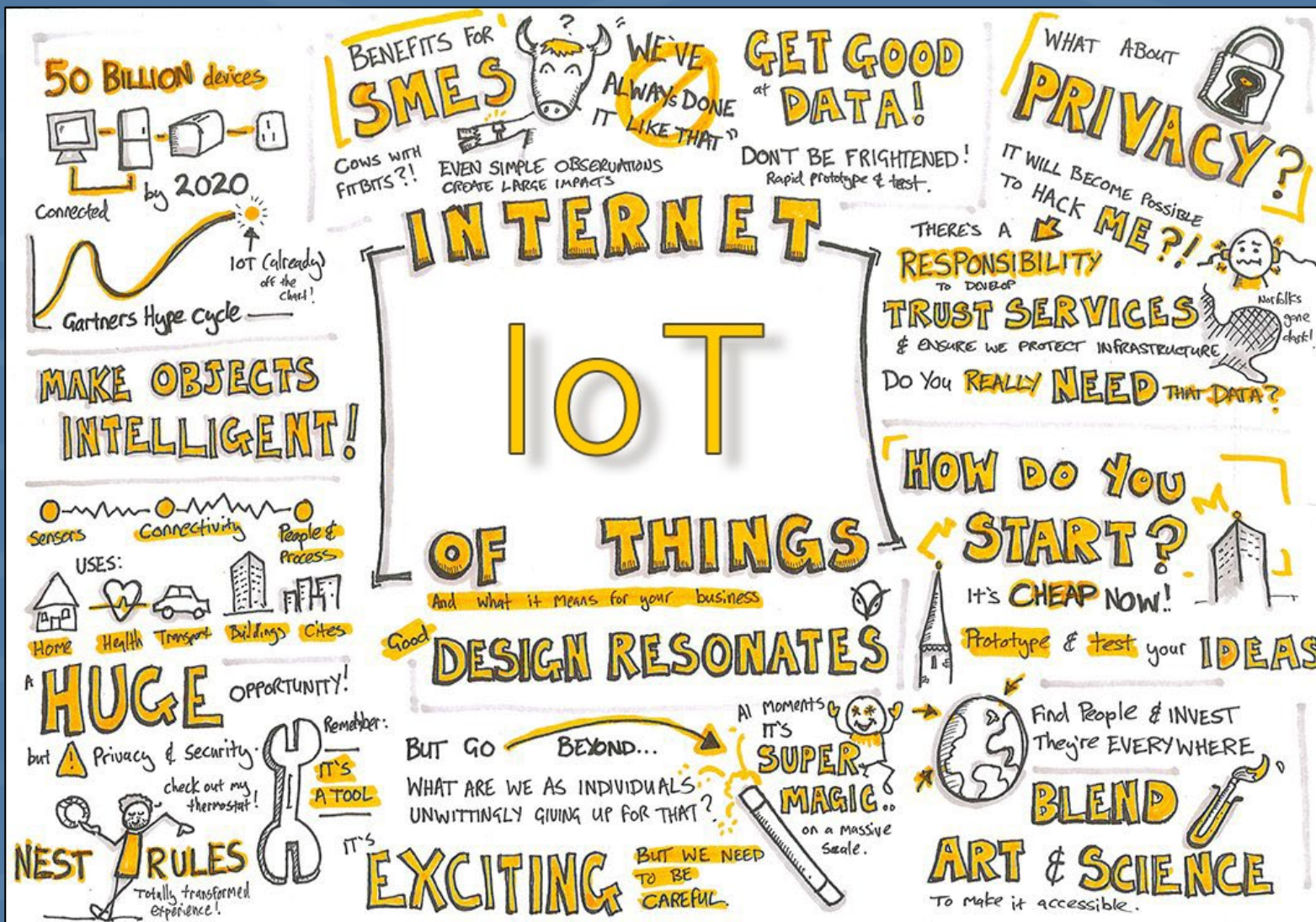


**ROBERT GROSZ**  
Boingo  
Wireless



**NICOLE KANE**  
Property Connect  
Advisors





“[T]he Internet will disappear.

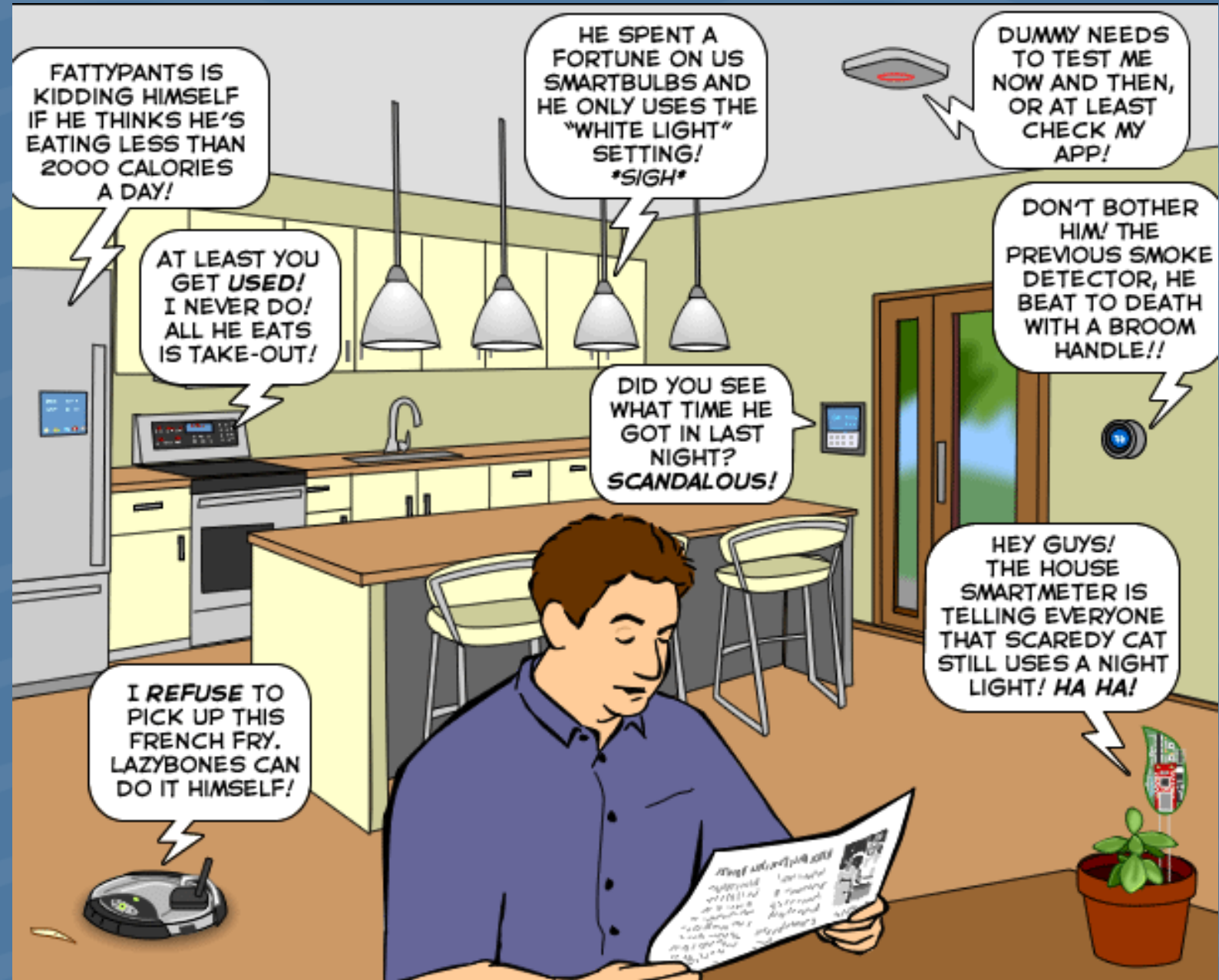
There will be so many IP addresses, so many devices, sensors, things that you are wearing, things that you are interacting with, that you won't even sense it. It will be part of your presence all the time. Imagine you walk into a room, and the room is dynamic. And with your permission, you are interacting with the things going on in the room.”

— Eric Schmidt, Google chairman





# WHAT YOUR INTERNET OF THINGS IS SAYING ABOUT YOU





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RICHARD HOLTZ  
InfiniSys Multifamily  
Technology

“ I’m going to have  
to disagree.”



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**26+ BILLION**  
devices connected by 2020;  
127 new devices connected  
per second; 80 billion 2025

**\$4 – 11 TRILLION**  
economic impact

**54%**  
of top performing companies  
will invest more in sensors  
in 2018

Sources: Gartner, PwC, McKinsey





# Multifamily Technologies

- Thermostats
- Locks
- Cameras
- Sensors (leak, sun, seismic, air quality)
- Wearables (residents or staff)
- Electric Outlets & Lighting
- Voice Control/Assistance
- Apps (residents or staff)
- Parking
- Trash management
- Electric Vehicle Chargers
- Amenity Displays (audio, visual, signage, scent)
- Clubhouses







# Starting with a Solid Foundation

1. Excellent connectivity (both wired and wireless) everywhere on the property – controlled by the community
2. An analytical data-driven team culture – either on-site, off-site, or through a trusted partner
3. An objective decision matrix weighted to align with the owner's strategic goals (risk tolerance, revenue philosophy [bundle vs unbundle with rent], on-site operating expense reality, value placed on information)





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# The NewTech Math

**((  $\Delta$  direct ancillary rev +  $\Delta$  rent rev +  $\Delta$  opex  
(staff opportunity cost+direct spend) X risk  
index)) – TSP expense**

**V =** -----  
**CAP COST OF TECH INVESTMENT**

















- 24 Hour Access for Residents
- Email Notification of Deliveries




- Email notification of Shipments
- No Personnel Cost for Management










## Millennials VS GEN Z

BORN 1981 - 1996


19-34 YEARS OLD

BORN 1997 - 2006


10-18 YEARS OLD



Tech Savvy: 2 screens a day	Tech Innate: 5 screens at once
Communicate with text	Communicate with images
Curators and Sharers	Creators and Collaborators
Now-Focused	Future-Focused



## Millennials VS GEN Z



Optimistic	Realists
Want to be discovered	Want to work for success
Dependent	Self- reliant
Entitled	Persistent
Self-centered	Self-aware





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