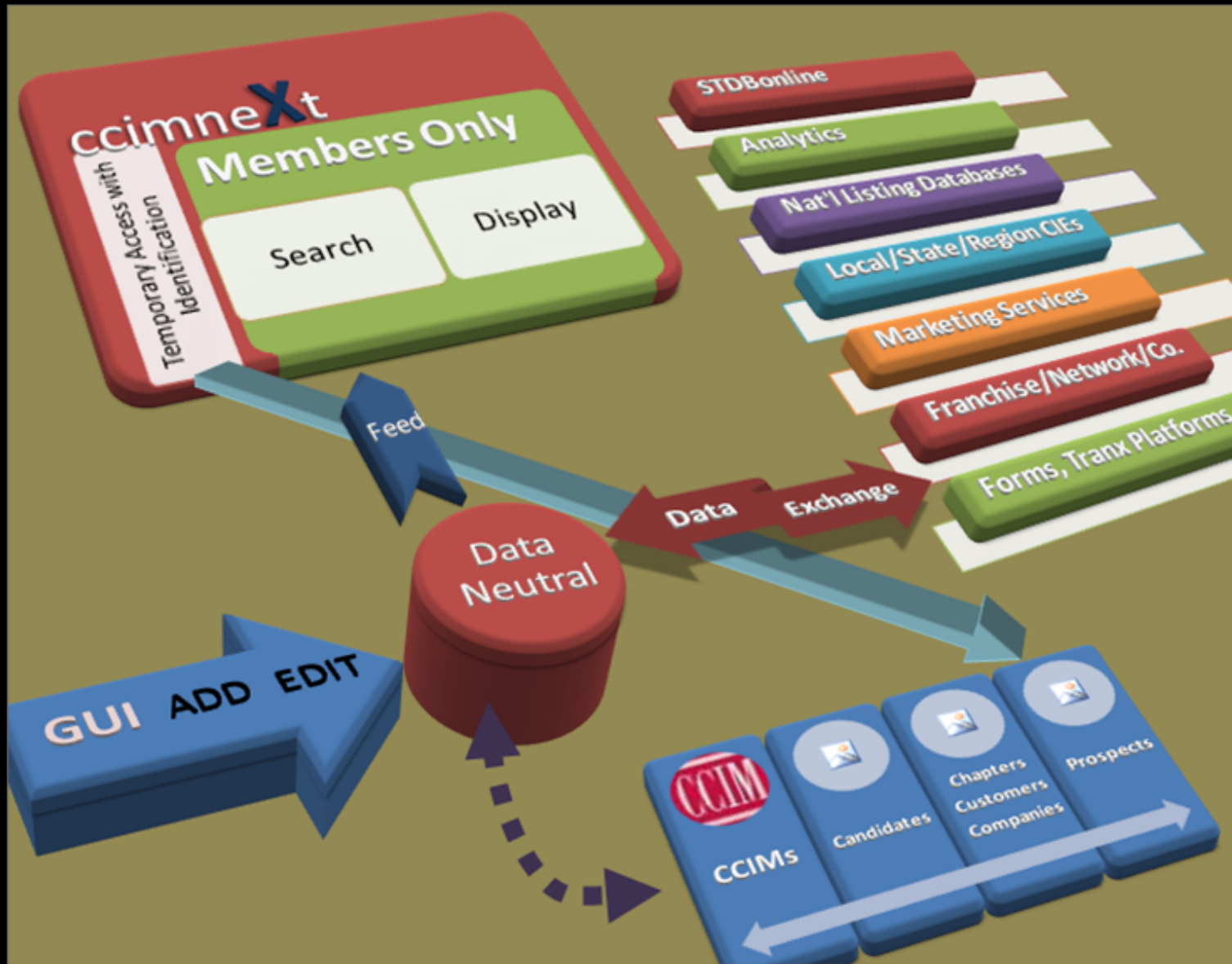




XCELIGENT™

BUILDING DATA. EVERYWHERE.

2008



2017



Mainstream next 5 to 15 years:

- 10^{16} Calculations/Sec (= 1 human brain) for \$1,000+/-
- Unlimited ubiquitous quantum computing
- 24/7 learning via Artificial Intelligence (AI)
- IoT becomes IoE (or IoS)
- Autonomous Vehicles (AVs & ACVs); T/MaaS
- 3D printed *everything*
- Blockchain(s): Digital currency & transactions
- BioTech / Nanotech / CRISPR-Cas9
- Abundant low-cost Energy



Change Management - Inefficiencies systematically go away

Past results no longer a reliable predictor model

Cater to the Cloud (LiFi; WiGig; data centers)

Extreme photomapping / Virtual Reality & Augmented Reality

Reduced space allocations / utilization

Transport/Mobility as a service

Facility redesign: drone docks; cross-drive; parking; FAR; redundant infrastructure; microgrid power; cybersecurity

Inventory & delivery disruption; battle for “last mile”; 3D printing

Industrial / retail convergence

New construction materials & techniques

Decreased labor emphasis & abundant low-cost energy

Evolved facility location & site selection dynamics

Significant valuation changes

Location – Location – Location Emergence of clusters & competing super-regions

CBDs & MSAs ripe w/change opportunities (i.e. parking garages)

Digital Currency will drive transaction activity - fee compression

Competition for resources - organizational M&A

Significant services disruption

Training / re-training now

Rethink all operating budgets

Simulation & algorithms for accelerated research; outsource

Treat STEM & urban planning like rock stars!

Protect against cybersecurity

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What is the near term **FUTURE** of Commercial Real Estate Technology Innovation?



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Integrated Technology Platform Development *around CRE DATA, ANALYTICS & VISUALIZATION*

Location – Location – Location:

Evolved facility location & site selection dynamics

Emergence of clusters & competing super-regions

Reduced space allocations / utilization

Decreased labor emphasis vs. Automation and related requirements (abundant low-cost energy)

Significant valuation changes

Redevelopment and Repurposing of Existing

Rethink all operating budgets

**What should
YOU
be doing about it?**



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BUILDING DATA. EVERYWHERE.

Past results no longer a reliable predictor model

Don't Ignore the Change

Observe & Monitor the Change

Embrace, Manage and Adopt the Change

Training & Re-train NOW!





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