



Smart Gigabit City Applications

Glenn Ricart

February 10, 2015















Public-private
partnership

501(c)(3)



US IGNITE GOALS



- 1 60 next-generation **applications**
- 2 200 community **test beds**
- 3 Coordinate **best practices**

Current Partners



Calling all

developers, network engineers and community catalysts...

BUILD APPS FROM THE FUTURE



Design and build apps for the faster, smarter internet of the future.

Mozilla and the National Science Foundation invite you to take part in an open innovation challenge. The goal: show how next-generation networks can revolutionize healthcare, education, public safety, energy and more.

APPLY NOW

Apply by October 25 to
complete in this round

Explore

Browse through the ideas submitted in the **brainstorm phase**,

Collaborate










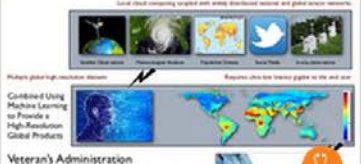

Meet like-minded collaborators at code sprints, design jams and

Build

Submit code prototypes to earn funding and support. **\$485,000** in

CCX at www.us-ignite.org

In Development Deployed Commercialized

 <p>The Rashomon Project An Open-Source Toolkit for Assembling and Analyzing Multiple Perspectives</p> <p>Combining Videos From Different Sources on the</p> <p>The Rashomon Project: Online Multi-Perspective Chronologies</p> <p>APPSUMMIT14, MOZILLAIGNITE</p>	 <p>Visualizing Virtualized Networks</p> <p>APPSUMMIT14, VIRTUAL REALITY, OCLUS RIFT</p>	 <p>Virtual World Framework</p> <p>APPSUMMIT14, AUGMENTED REALITY, COLLABORATION</p>	 <p>ProactiveSense</p> <p>Foresite Health Monitoring</p> <p>APPSUMMIT14</p>
 <p>Extrem network</p> <p>Location Aware Content Filtering</p> <p>APPSUMMIT14</p>	 <p>Chandelle Universal WiFi Controller</p> <p>APPSUMMIT14</p>	 <p>Drone-carried On-demand WiFi Networks</p> <p>APPSUMMIT14</p>	 <p>Universal Application Delivery via SDN Based Architecture</p> <p>APPSUMMIT14</p>
 <p>PDF Processor</p>	 <p>Veteran's Administration</p>		



NIST

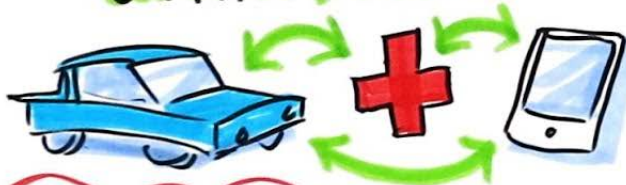


GLOBAL CITY TEAMS CHALLENGE

DR. CHRIS GREER



INTERNET OF THINGS →
TRANSFORMATIONAL
ONLY WITH
A **COMMON LANGUAGE**



**SMART &
RESILIENT
CITIES**

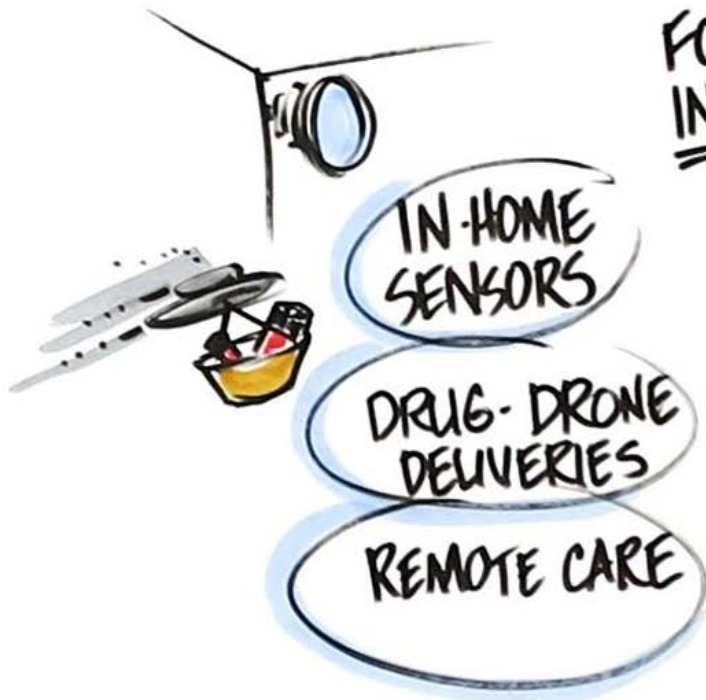
SEEK OPPORTUNITIES FOR
CONVERGENCE



us-ignite.org
Glenn.Ricart
@us-ignite.org

PANDEMIC REMOTELY CARING

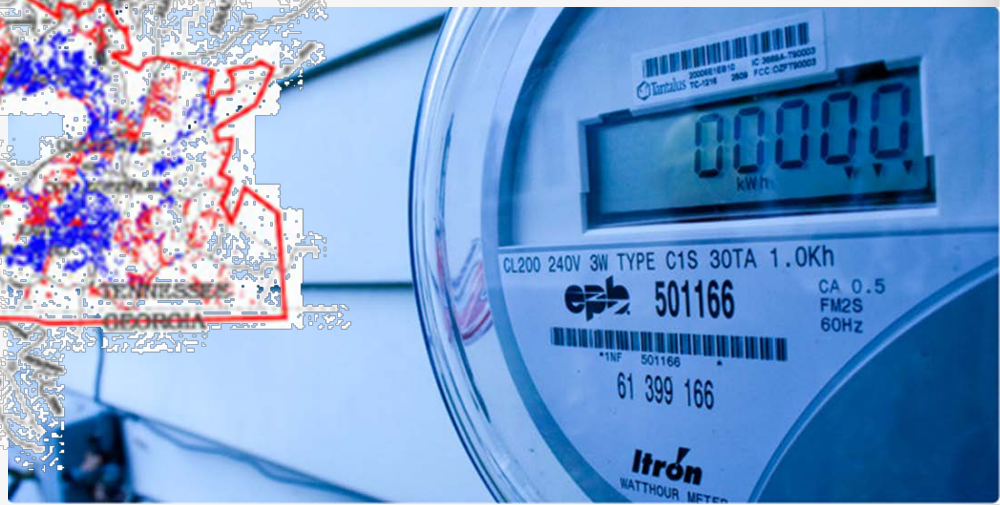
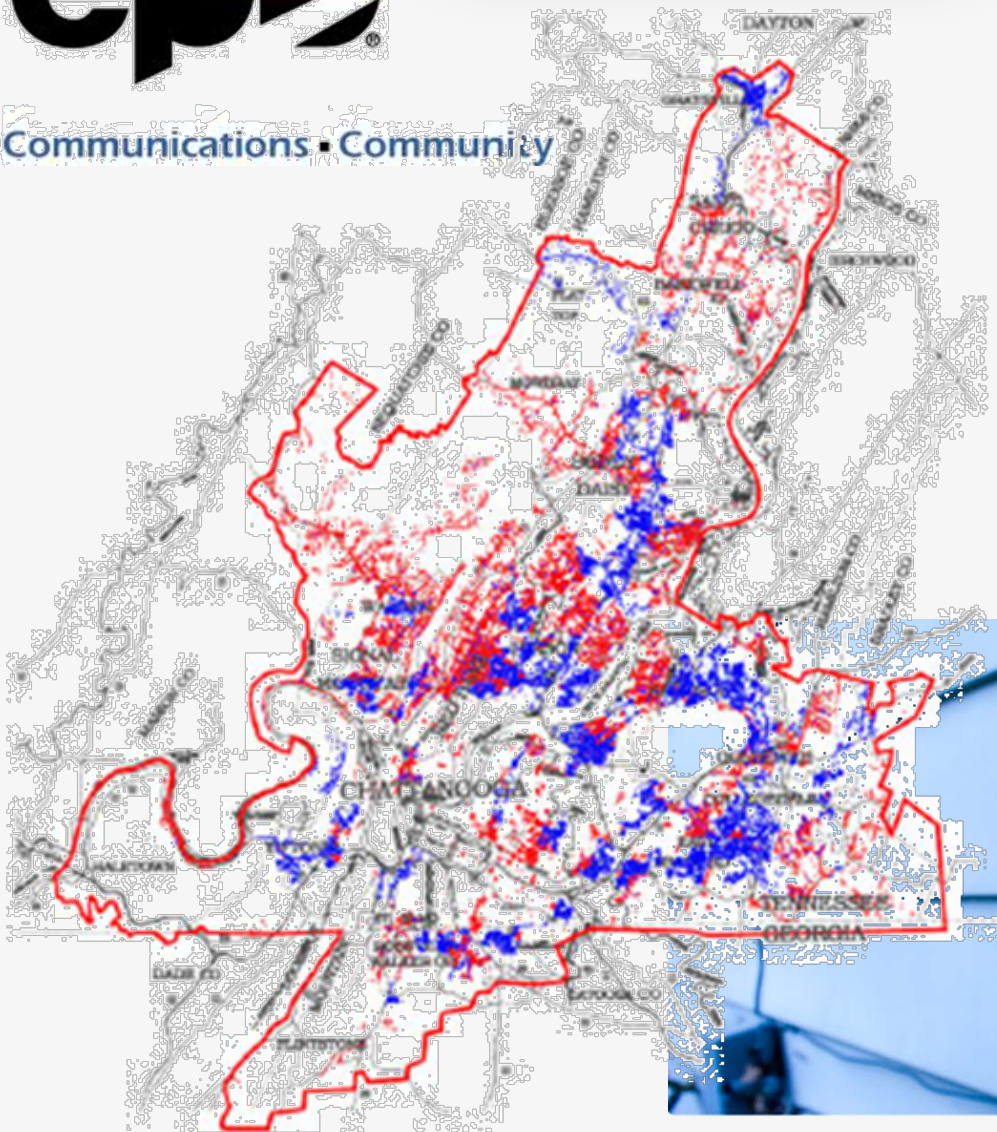
FOR VULNERABLE CITIZENS
IN PLACE



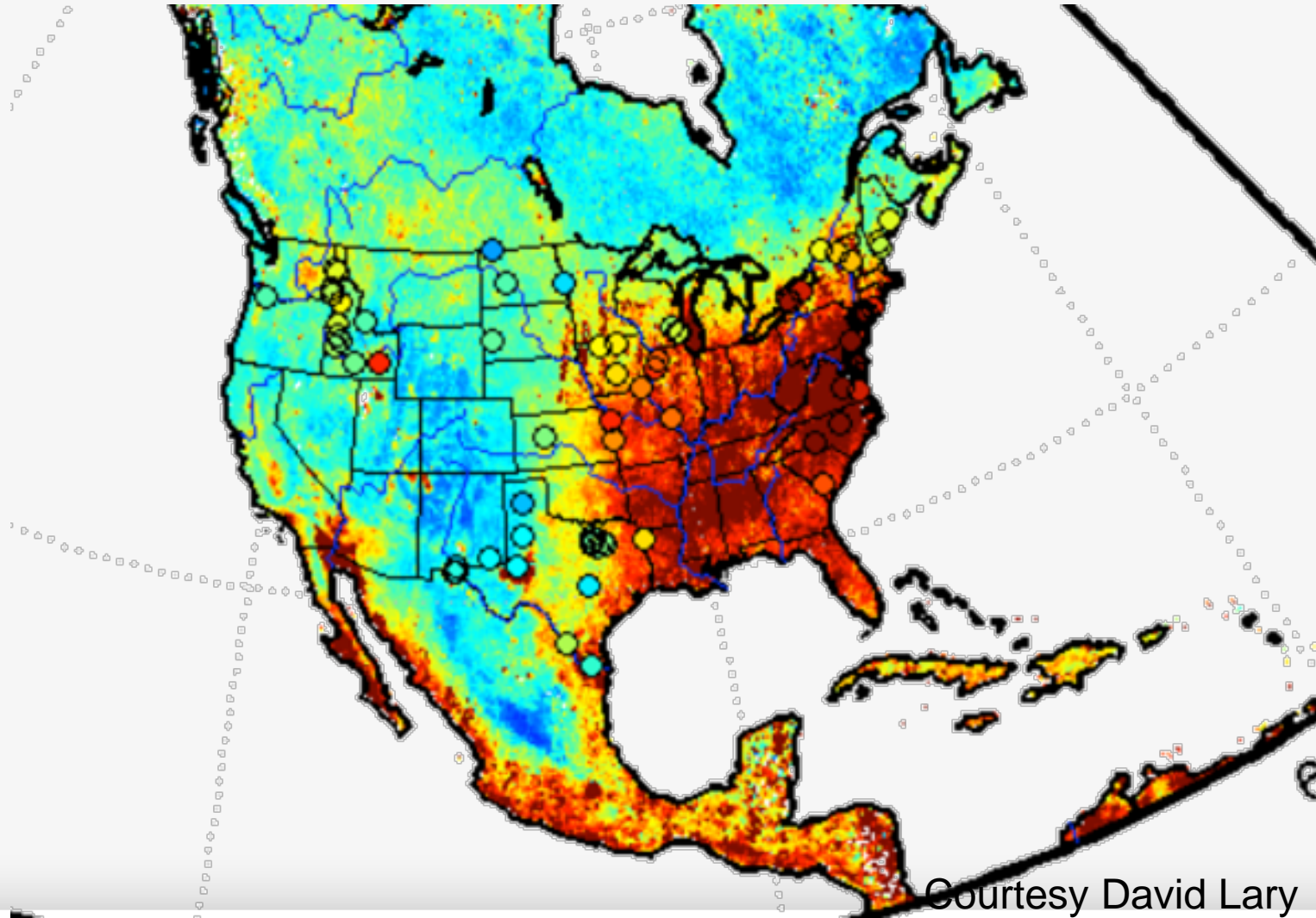
REDUCE ER VISITS,
SPREAD OF DISEASE



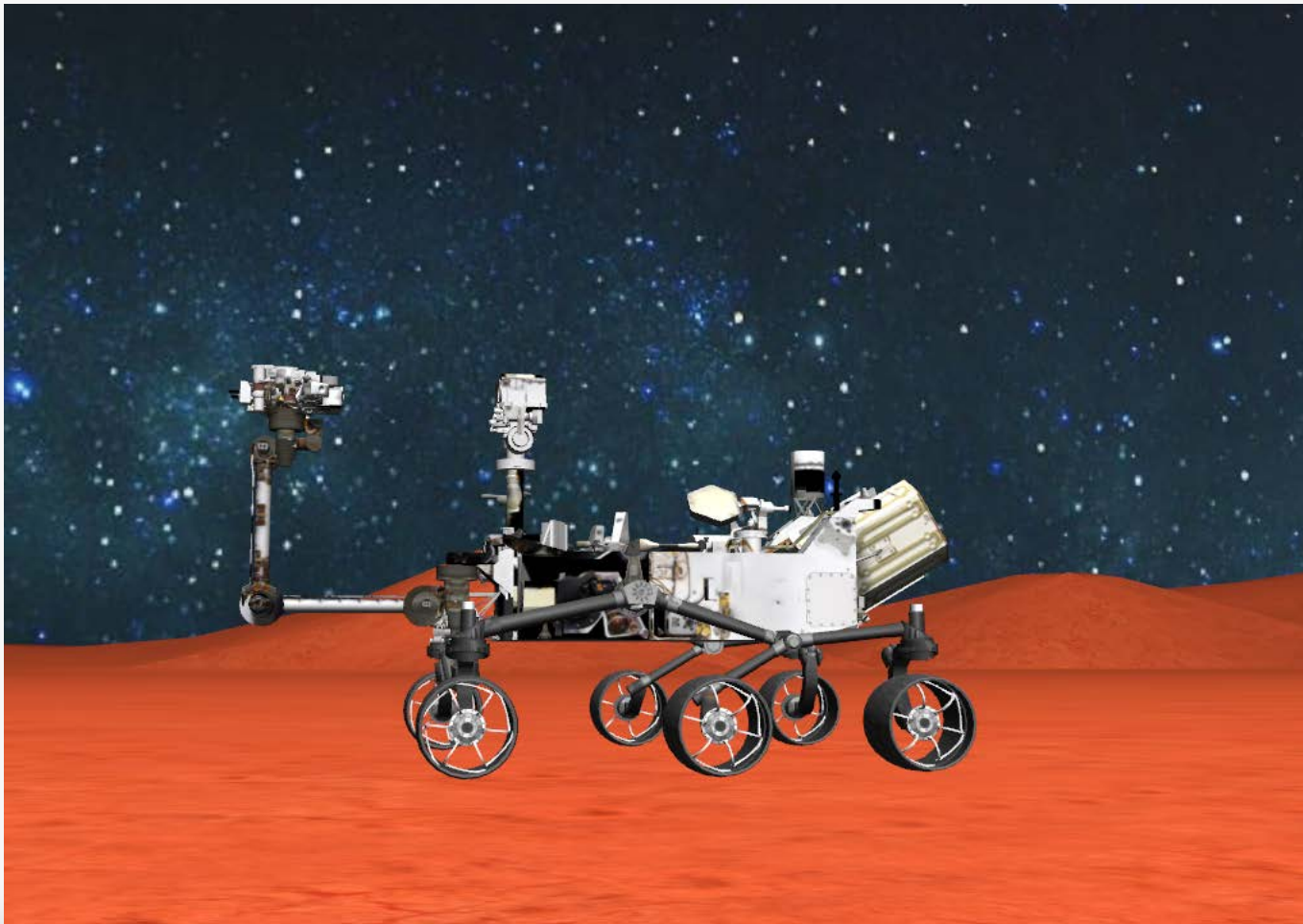
Energy • Communications • Community



PM_{2.5} Modeling

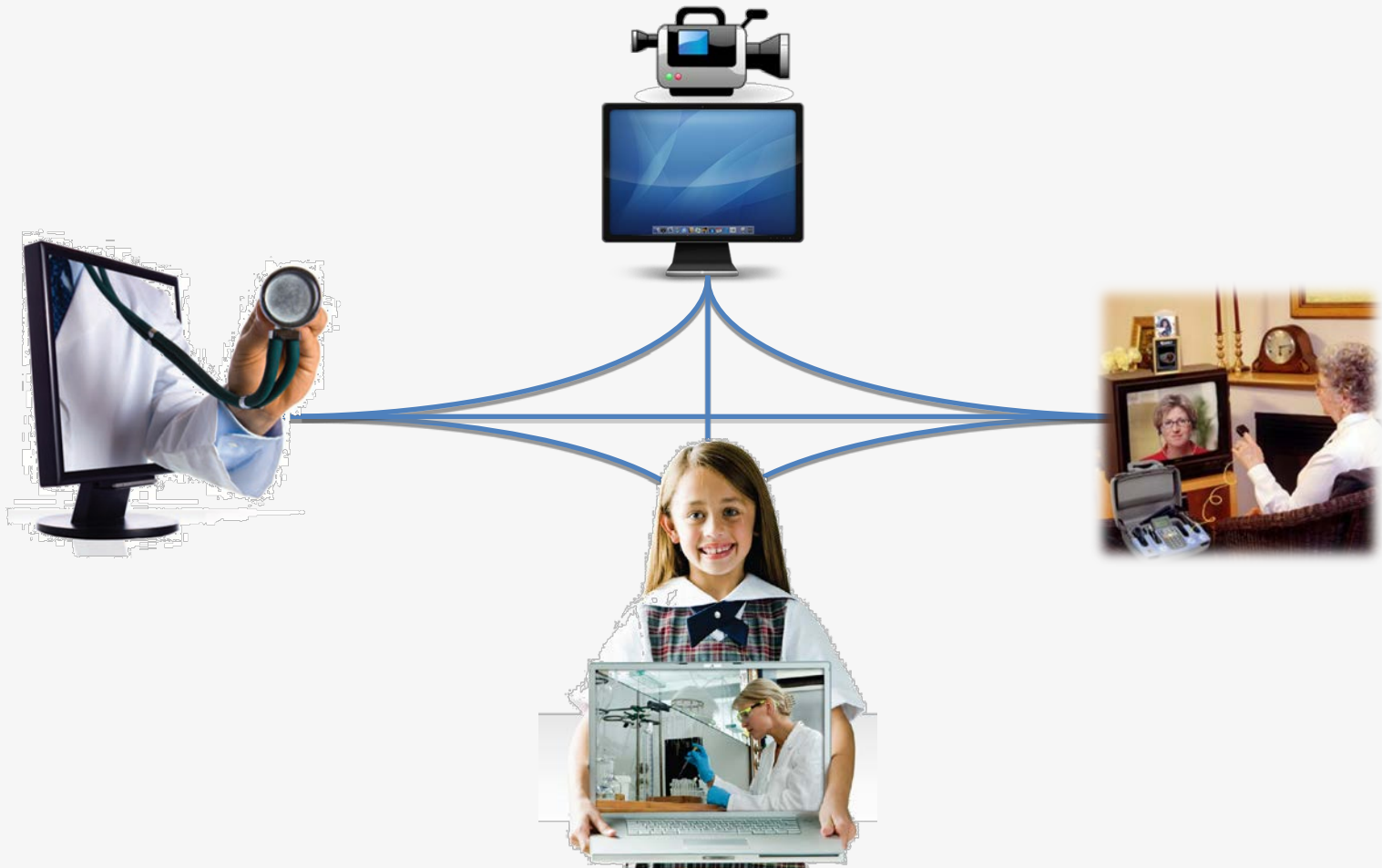


Cizzle

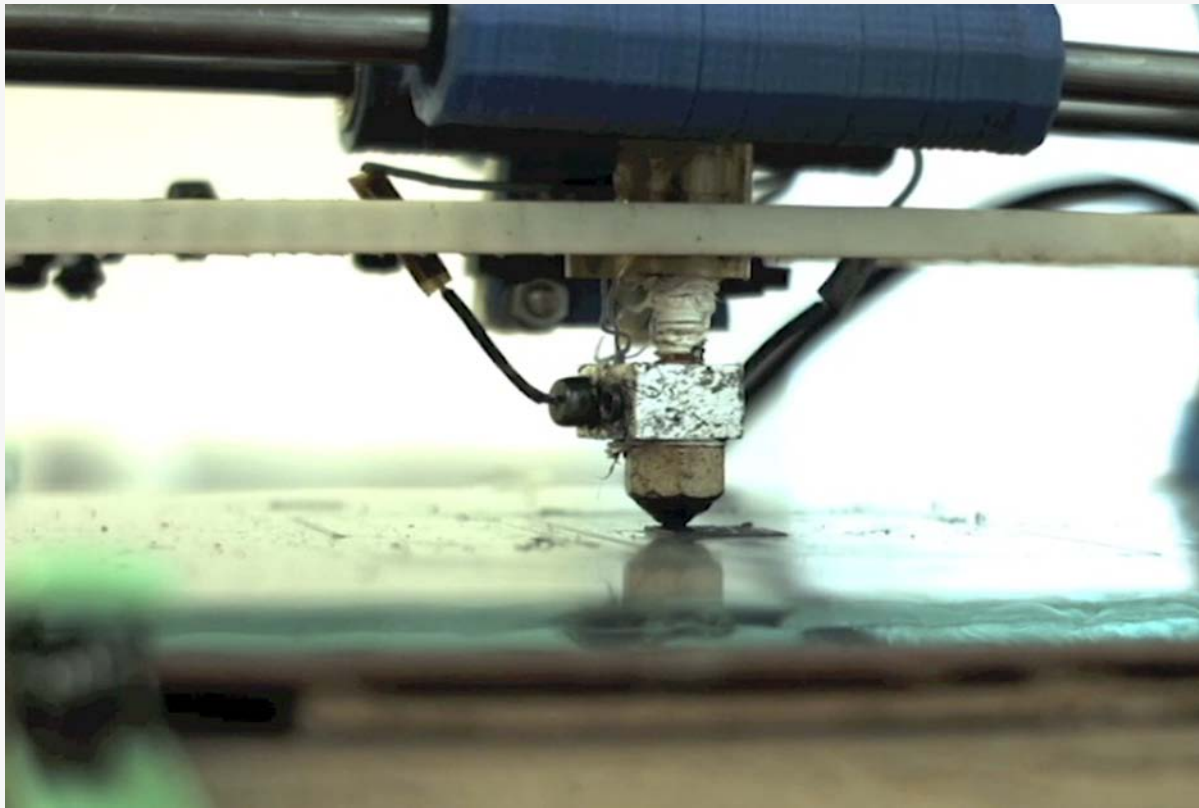




Connected Collaboration



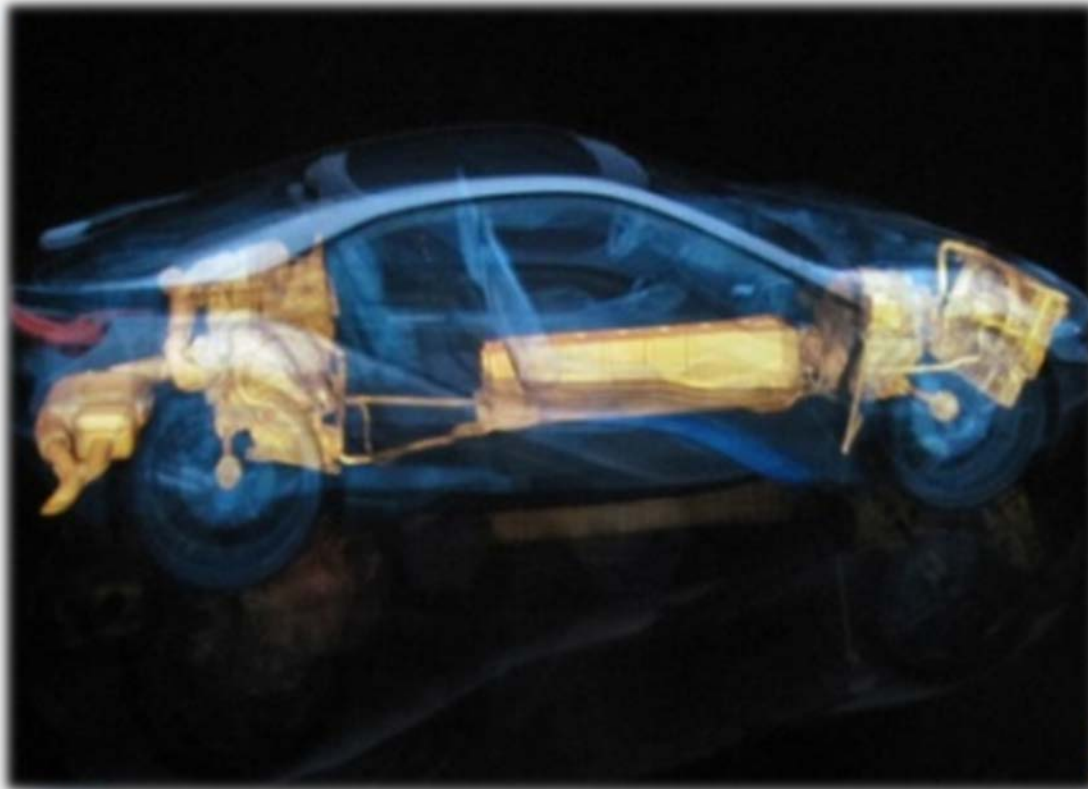
Reliable Process Control



Public Apps Library



Collaborative Design

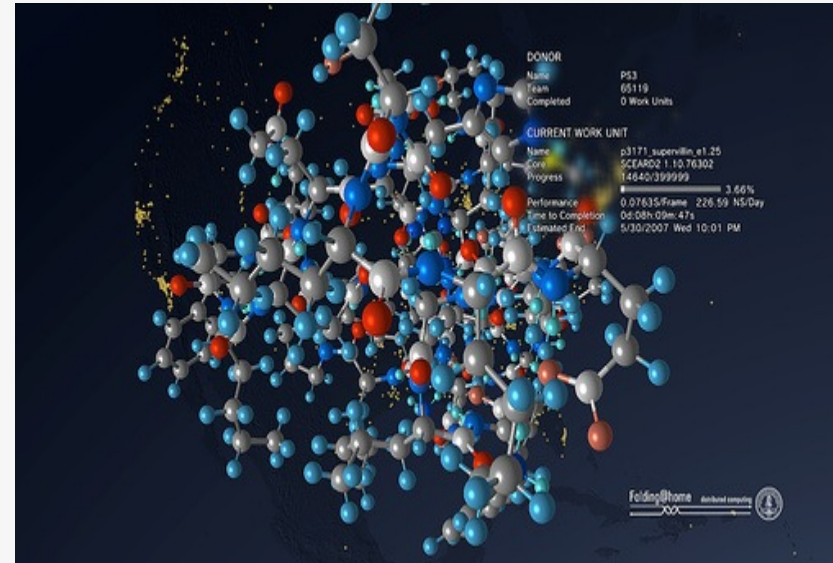


Remote Surgical Coaching

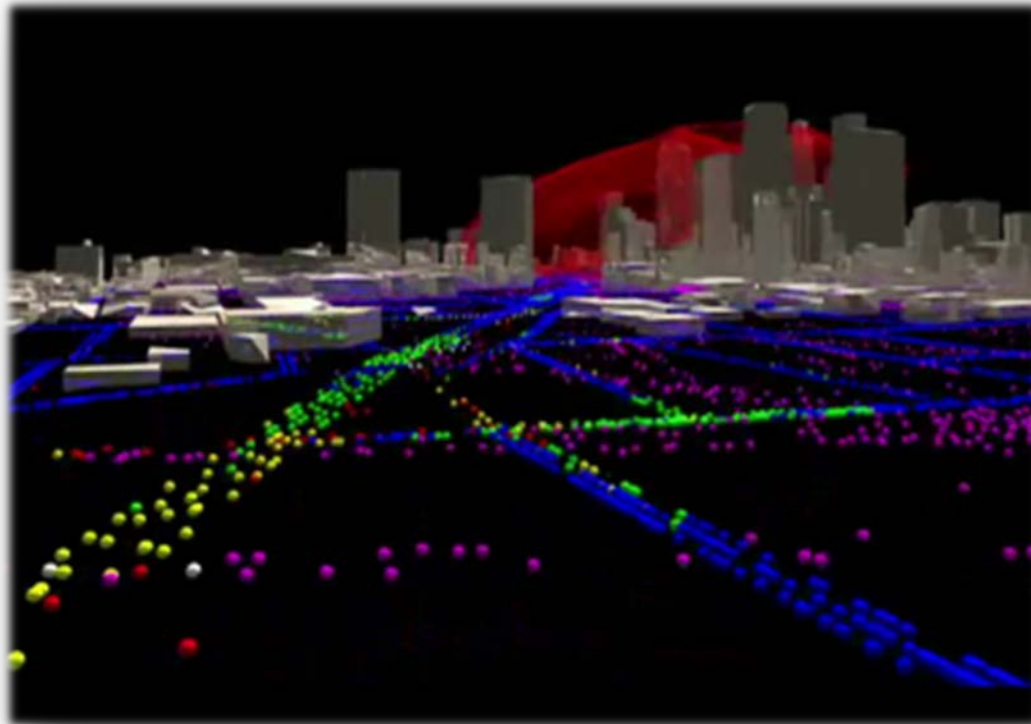




Virtual Community Supercomputer



SimCenter



VIDEO: us-ignite.org/Chattanooga-story