

# Brian Mcllroy Commercial Development Leader – Healthcare





### AMCHAM Healthcare Innovation Seminar 2014

Brian McIlroy Healthcare Commercial Development GE Ventures, Licensing

Imagination at work.

### Today's agenda

- GE and GE Licensing Overview
  - Technology Collaboration
  - GE Technology Portfolio(HC) and Summary



### GE by the numbers



**Energy Mgmt** 



Power & Water



GE Capital



Healthcare

2012 revenue

\$147B



Oil & Gas







Home & Business



Transportation





### A tradition of innovation





Locomotive

Lamp

### Investing in innovation

\$5.4B

6% of industrial revenue invested to develop intellectual

content



1,660 patents were generated by this content in the U.S. alone.



1,000 technical disclosures are published each year on new technologies in development.



Development dollars also fuel our ecomagination and healthymagination efforts and Imagination Breakthroughs that stimulate growth across GE businesses



### Licensing at-a-glance

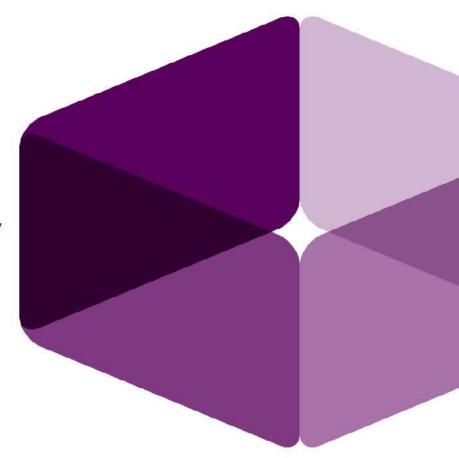
Part of GE Ventures

Co-located with GE Global Research; global operations

50 year operating history

70 employees technical, ops, marketing, BD, legal

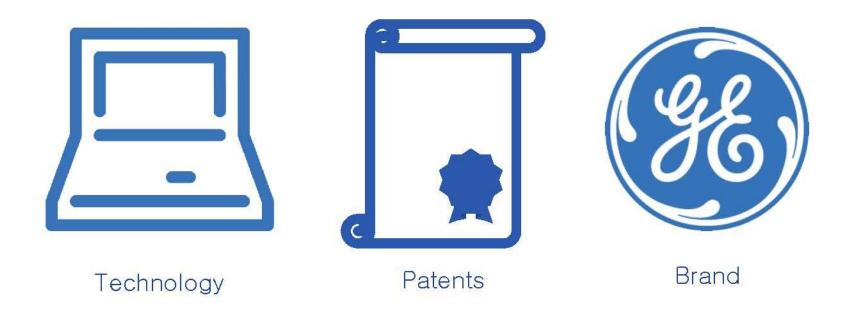
200+ active licenses under management





### What we do at Licensing

Harnessing the power of GE's intellectual property





### Closely integrated with GE Global Research...

Over 2,000 scientists/engineers, nearly two-thirds PhDs

3,615 .US. patents filed in 2011

One of the world's most diversified industrial research organizations, providing innovative technology for all of GE's businesses





3. NISKAYUNA,

4. RIO DE JANIERO















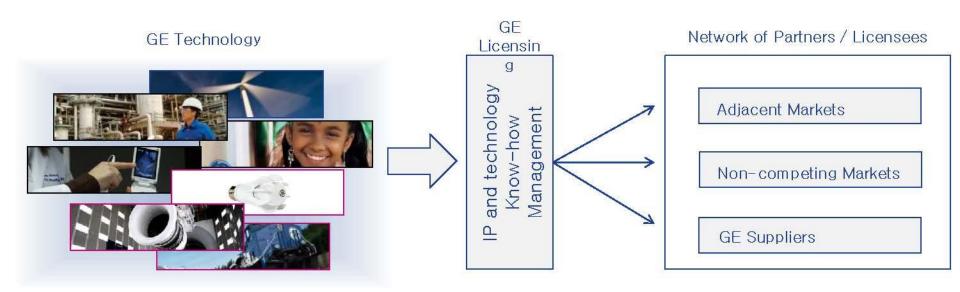


7. SHANGHAL CHINA

INDIA

### GE Ventures - Licensing

Technology Collaboration/Licensing Partnership



Partnering with local companies and form a value chain

Transferring GE Technology Know-How/IP and drive market development

Supporting future technology development between GE and the



### Today's agenda

GE and GE Licensing Overview

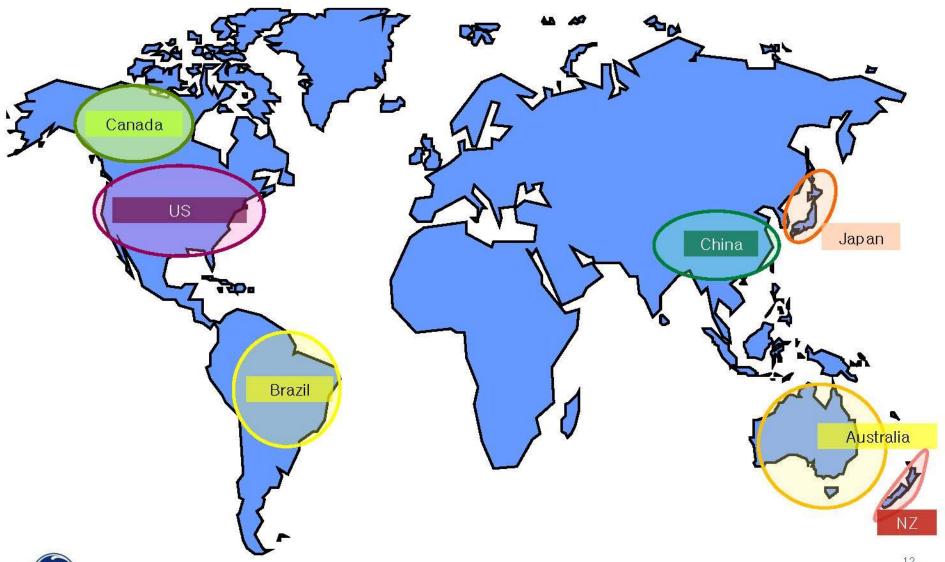


GE Technology Portfolio(HC) and Summary

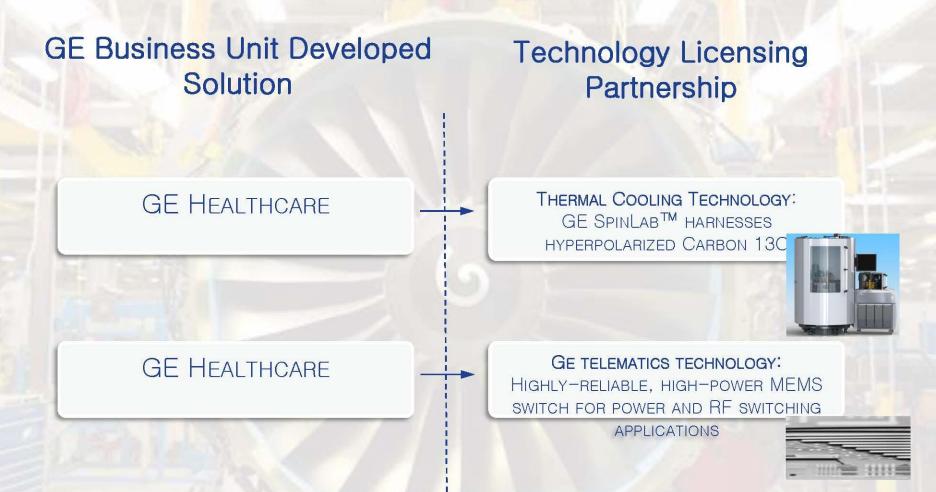


### Partnership Across the World

magination at work



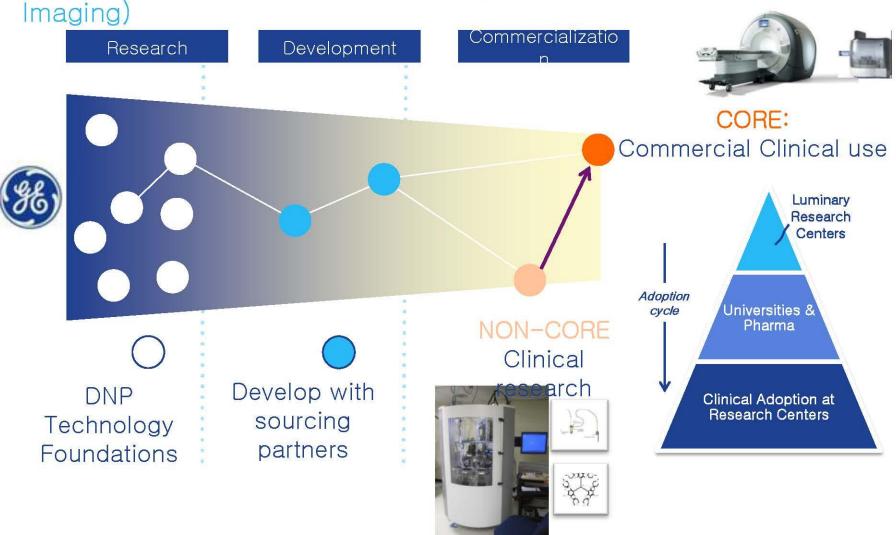
## How Technology Partnership are Established





### Technology collaboration

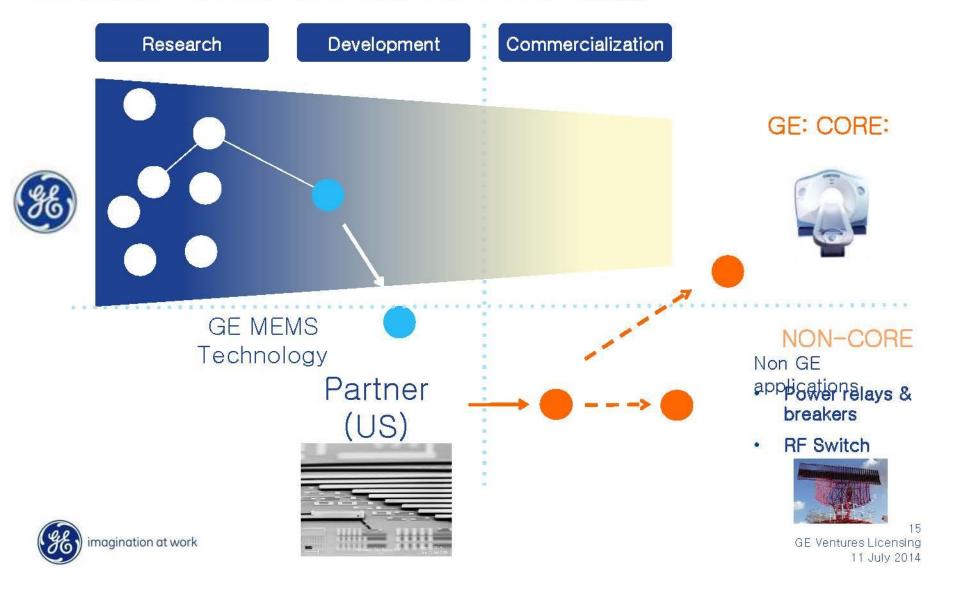
Example: Enable New Market: C13 Hyperpolarized MR (Metabolic





### Technology collaboration

Example: MEMS Microswitch Technology



### Beyond Technology collaboration

Technology partnership

#### Business partners

Successful Commercialization

Establishing value chain partners











Identify customers





Maximizing global GE business connectio

















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# GE Technology Portfolio (Healthcare Examples)

### Optical imaging

Extensive
experience
designing and
manufacturing
(small scale)
imaging agents.



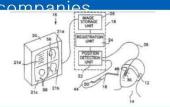
#### DNA Sequencing

DNA Sequencing and Nucleic Acid Synthesis portfolio provides users with novel DNA sequencing and RNA amplification methods and reagents.



#### Surgical Navigation

Surgical Navigation provides users with novel electromagnetic tracking methods and systems in areas of core importance to surgical navigation companies and medical instrument



#### RF Sensors

Disposable
ubiquitous sensor
based on RF
technology provides
accurate multidetection capability





### Optical Imaging Solutions

#### GE Optical Imaging Solutions Technology

- Extensive experience designing and manufacturing (small scale) imaging agents
- Solution based approach combining instrumentation and agent to deliver clinical impact









#### GE Optical Imaging Solutions Benefits

- Direct visualization of physiological pathways
- Labeled solutions for nerve, tumor margin – preliminary tox established
- Solution build into current workflow

#### Potential applications

#### Surgical Intra-Operative Visualization

- Lymph Nodes –(Application Development)
- Ureters / Bile Ducts (Application Development)
- Tumor Border Multiple Candidates
- Peripheral Nerve Multiple Candidates

#### Diagnostics

- Optical & MR Oncology Agent Single Candidate
- Colorectal Cancer Multiple Candidates
- Alzheimer's Occular Imaging

### Summary

GE Licensing is very happy to bring technology partnership experience and continuously discuss all members for future IP/technology collaboration.

Thank you



