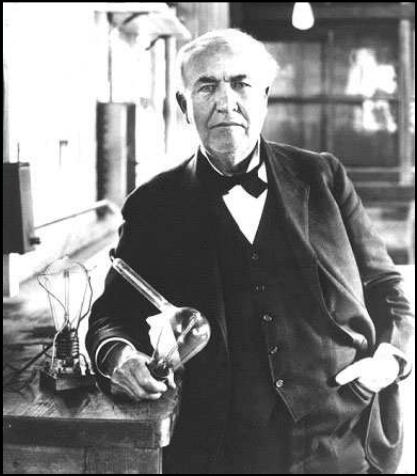



# Where we Work

**Bill Cheetham**  
**Kai Goebel**  
**General Electric Global Research**

1

## General Electric Overview



**A 125-year old,  
\$126B High-Tech  
Growth Company**

*Founded by Thomas Edison*

2

## General Electric Overview

*A diversified technology, manufacturing and services company with a commitment to achieving world leadership in each of its key businesses*



**Aircraft Engines**  
**Capital Services**  
**Consumer Products**  
**Industrial Systems**  
**Information Services**  
**Medical Systems**  
**Plastics**  
**Power Systems**  
**Specialty Materials**  
**Transportation Systems**  
**NBC**



3

## Global Research Overview



Founded in 1900 in Schenectady, NY

One of the world's largest and most diversified industrial laboratories



4

## General Research Locations

Niskayuna, NY – World Headquarters



Bangalore, India      Munich, Germany      Shanghai, China

**Global Research Organization**

5

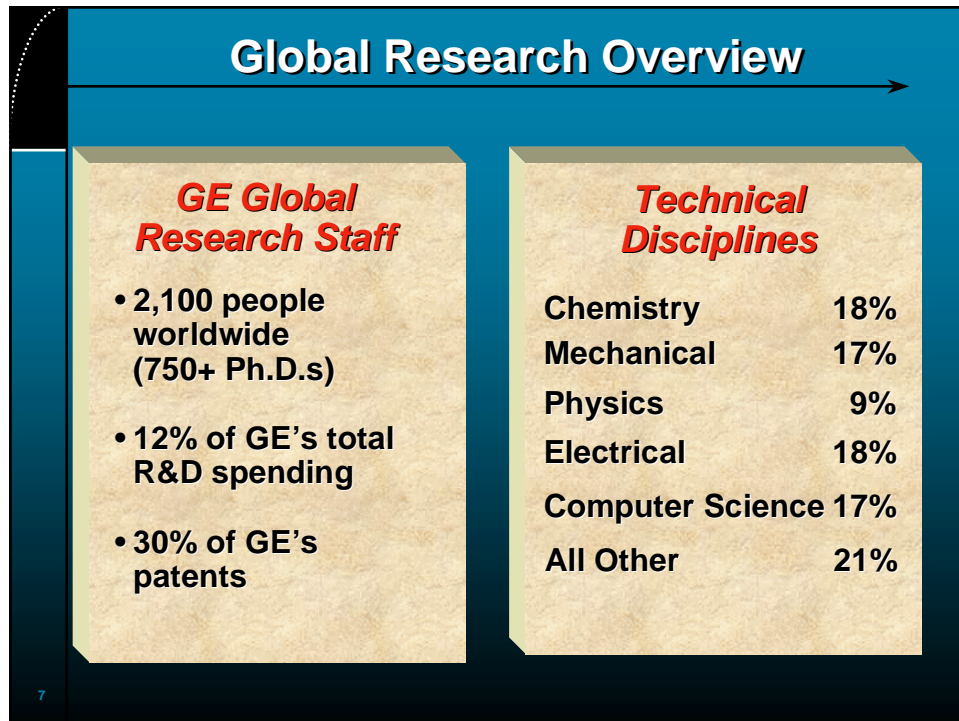
## General Research Innovations



**Innovations:**

- Plastics
- Gas Turbines
- Appliances
- Medical Imaging
- Aircraft Engine Diagnostics

6



## Service Algorithms Lab (22 people)

**Mission:**  
SAL performs research and development in Knowledge Engineering and Advanced Algorithm Techniques in order to provide game changing innovations to our customers. We are a diverse team of experts in the **collection, representation, visualization, analysis, and application of knowledge**. We provide next-generation technology to solve classification, fusion, reasoning with uncertainty, modeling, and computational complexity issues. This creates value for GE and our customers.

<p><b>Key Customers:</b></p> <ul style="list-style-type: none"> <li>• All of GE</li> <li>• Lockheed Martin</li> <li>• Externals:             <ul style="list-style-type: none"> <li>• DARPA</li> <li>• NIST</li> <li>• Air Force</li> <li>• NASA</li> </ul> </li> </ul>	<p><b>Core Technologies:</b></p> <ul style="list-style-type: none"> <li>• Soft Computing</li> <li>• Information Fusion</li> <li>• Information Visualization</li> <li>• Case-Based Reasoning</li> <li>• Knowledge Management</li> <li>• Multi Objective Optimization</li> <li>• Forecasting</li> </ul>	<p><b>Professional Activity (2002):</b></p> <ul style="list-style-type: none"> <li>• 40 US patents filed</li> <li>• 20 US patents granted</li> <li>• 16 Papers published</li> <li>• 3 Adjunct Professors</li> </ul>
---	---	---

Automating knowledge-based tasks and creating new knowledge-based services.

6