

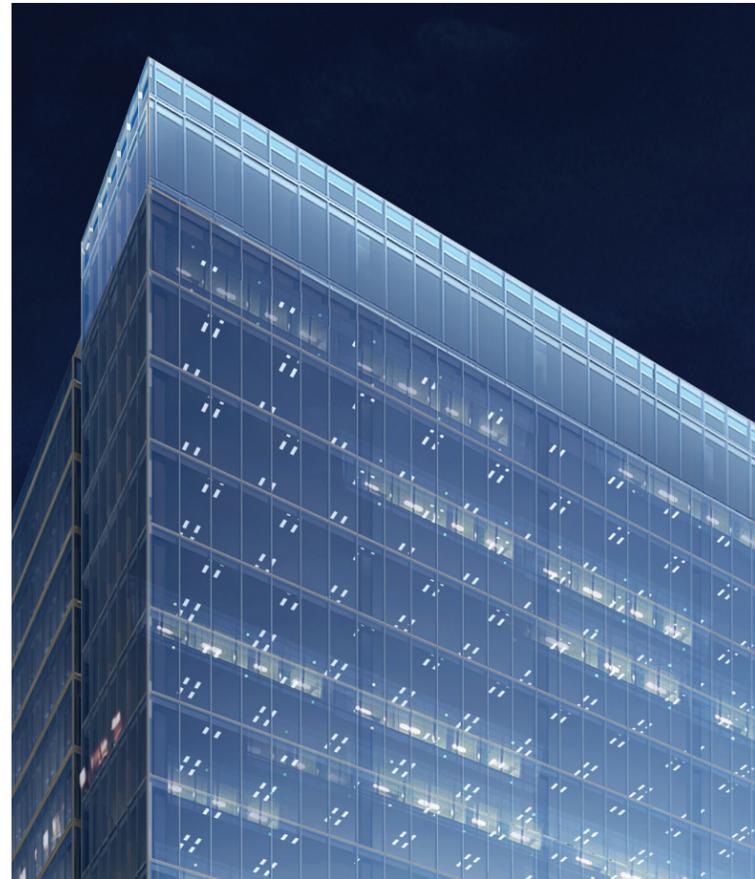


OVER 30,000
HIGH TECH JOBS IN BOSTON

9%
GROWTH
PER YEAR SINCE
2010, MUCH
FASTER THAN
NATIONAL GROWTH

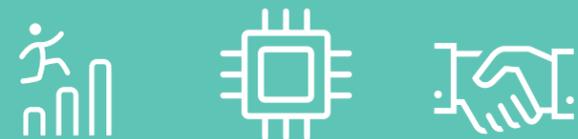


**HIGH TECH
MANUFACTURING**
—
AN AREA OF
REGIONAL STRENGTH



HIGH TECH INDUSTRIES

Industries with
workers in STEM fields



COMPUTER SYSTEMS AND DESIGN

**BOSTON'S LARGEST HIGH TECH SECTOR
DOUBLED EMPLOYMENT SINCE 2010**



MAYOR'S OFFICE OF ECONOMIC DEVELOPMENT

Please contact the Office of Economic Development's
Business Strategy Unit to learn more about doing
business in the City of Boston: 617-635-5729

[@EconDevBoston](#) | [facebook.com/EconDevBoston](#)



CITY OF BOSTON
Martin J. Walsh, Mayor

High Tech Industries in Boston

2016



**SOFTWARE
PUBLISHING**

GREW 158%
SINCE 2010



**DATA PROCESSING &
OTHER INFORMATION
SERVICES**

**8% OF HIGH TECH
EMPLOYMENT**



**ARCHITECTURAL
AND ENGINEERING
SERVICES**

**21% OF HIGH TECH
EMPLOYMENT**

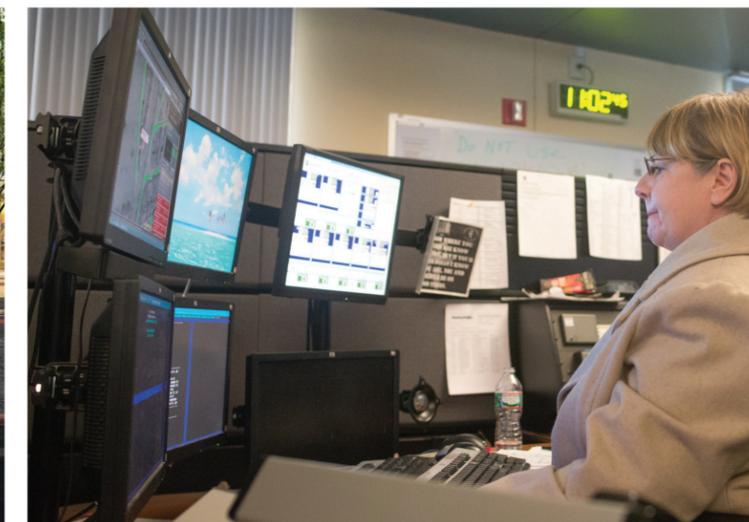


**SCIENTIFIC RESEARCH
AND DEVELOPMENT**

**BOSTON'S SHARE OF
EMPLOYMENT IS 2.5 X
THE NATIONAL AVERAGE**



Prepared by the Boston Redevelopment Authority Research Division for the
Mayor's office of Economic Development. View the full report at bit.ly/10ooWSg



Capital and Talent Fuel Boston's High Tech Industry

Venture capital investment combined with a talented workforce pay off in new patentable technologies

South Boston Waterfront

- Spans over 1,000 acres and grew by more than 150 businesses and over 13,000 jobs between 2010—2014, alone
- Features MassChallenge, an annual \$1 million global startup competition and accelerator
- Business expansions and relocations include LogMeIn, Immunetics, Autodesk, and Vertex's 1.1 million square foot office and laboratory space
- Home to General Electric's interim office and future corporate headquarters

Roxbury/South End

- Roxbury Innovation Center, a 3,000 square foot business incubator, encourages collaboration, bold thinking, and new business development
- Features Venture Cafe, a gathering space for innovators to collaborate (with a location also in the South Boston Waterfront)

Local Venture Capital Investment

Venture capital deals by Boston companies rose from **66** in 2012 to **103** in 2014, about **30%** of the area's total deals.⁸

Entrepreneur.com includes 17 Boston firms in their "VC 100" list of top early stage venture capital firms, including Boston-based Spark Capital in their **top 25**.

Deals include **\$200 million** to Intarcia Therapeutics who recently relocated their headquarters to the South Boston Waterfront - the third largest deal ever closed in life sciences.⁹

Boston's High Tech Talent

The labor force that works in Boston has a high level of educational attainment: **55.4%** have at least a Bachelor's degree and **24.5%** have a Master's degree or higher.¹⁰

Almost a quarter of Boston area residents with a Bachelor's degree majored in a STEM field.¹¹

Area universities such as Boston University, Northeastern, Harvard, Boston College, UMass Boston, Tufts, Suffolk, Bentley, and Massachusetts Institute of Technology (MIT) enroll over **150,000 students** a year.¹²

Boston is the **#1** city in fostering entrepreneurial growth and innovation¹³

Patents awarded for Innovative Products and Technologies

- In the last decade, patents issued to Boston residents have grown by **8.3%** per year.¹⁴
- The top classifications for patents issued to Boston residents are medicine and computing.¹⁵
- Massachusetts residents are issued the most bioscience patents per capita of any state.¹⁶

¹ U.S. Census Bureau, Zip Business Patterns, <http://censtats.census.gov/cgi-bin/zbnpnaic/zbnpsect.pl>

² MassChallenge, "Accelerator Model" <http://masschallenge.org/accelerator/model>

³ Vertex, "Working Here: Massachusetts" <http://careers.vrtx.com/location/massachusetts/>

⁴ Biosquare, <http://www.biosquare.org/welcome/welcome.html>

⁵ 2015 Boston Bond Report, Selected Demographic and Economic Information, p. 11

⁶ "Facts at a Glance" <http://www.massgeneral.org/research/about/facts.aspx>

⁷ National Institutes of Health "NIH Awards by Location and Organization FY2014," BRA Research Division Analysis

⁸ CB Insights, "The 2014 U.S. Venture Capital Year in Review," January 2015, 2014-Venture-Capital-Annual-Report.pdf

⁹ Price Waterhouse Coopers, "Biotech Funding Surges," February 2015, pwc-moneytree-biotechnology-medical-devices-q4-2014.pdf

¹⁰ U.S. Census Bureau, 2009-2013 American Community Survey, Public Use Microdata Sample (PUMS), BRA Research Division Analysis

¹¹ U.S. Census Bureau, 2011-2013 American Community Survey, BRA Research Division Analysis

¹² Integrated Postsecondary Education Data System (IPEDS) & University Accountability Ordinance data, BRA Research Division Analysis

¹³ Innovation That Matters," May 2016, U.S. Chamber of Commerce, 1776, and Free Enterprise.

¹⁴ Source: USPTO Patent Full-Text and Image Database, 2004-2014, BRA Research Division Analysis

¹⁵ January 1, 2004 to March 18, 2015

¹⁶ <https://www.bio.org/sites/default/files/Battelle-BIO-2014-Industry.pdf>, p. 46

¹⁷ Boston Properties, 2016

Longwood Medical Area

- A world famous medical and university epicenter that includes over 46,000 scientists, researchers and staff, and over 21,000 students
- Expansion in the Longwood Medical Area includes the 2014 addition of the Longwood Center, 350,000 square feet of research and development space in Boston's strongest life sciences cluster
- Close proximity to PULSE, Boston's new Digital Health Care Innovation Hub

Downtown Crossing / Financial District

- Features Markley, New England's largest and longest operating multi-tenant, mission-critical telecommunications and data center facility
- Home to growing technology firms such as Carbonite, Acquia, and Bullhorn, among many others.¹⁷
- Includes 16% of TAMI sector companies, including a high influx of technology firms¹⁷
- The area is easily accessible by transit with many amenities within walking distance throughout the district¹⁷