



## INFORMATION & COMMUNICATIONS TECHNOLOGIES

### OVERVIEW

San Diego has built successful industry sectors in telecommunications, cybersecurity analytics, health IT, bioinformatics, gaming, and software as a service (SAAS). Many of San Diego's most well-known tech startups contribute to this cluster. San Diego based ICT companies have a growing global footprint and work closely with local military/defense, cleantech, life sciences, and healthcare companies - touching nearly all aspects of San Diego's robust economy.

San Diego's major research universities are also on the forefront of information technology innovation. University of California, San Diego's Jacobs School of Engineering has more computer science students than all of the other University of California schools combined.

### KEY COMPANIES

- Classy
- Cypher Genomics
- Daybreak Entertainment
- ESET North America
- GoFundMe
- GovX
- iboss
- Intuit
- Kyocera
- MediaTek
- SONY
- Qualcomm
- Teradata
- ViaSat

REGIONALLY FOCUSED. GLOBALLY COMPETITIVE.

## INDUSTRY HIGHLIGHTS

San Diego's ICT cluster is the largest employment cluster in the region's innovation economy, directly accounting for approximately 67,000 jobs.

ICT cluster companies made up more than 46 percent of the San Diego innovation economy in 2014, amounting to 3,290 companies in total.

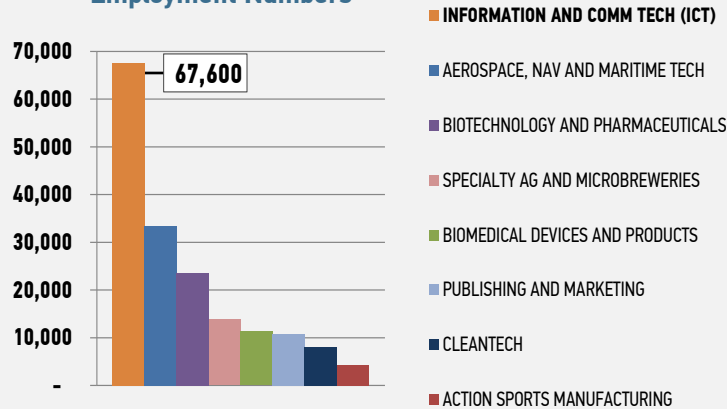
In 2014, the ICT cluster accounted for 75 percent of innovation startups in San Diego.

In 2014, ICT startups created more than 1,100 jobs.

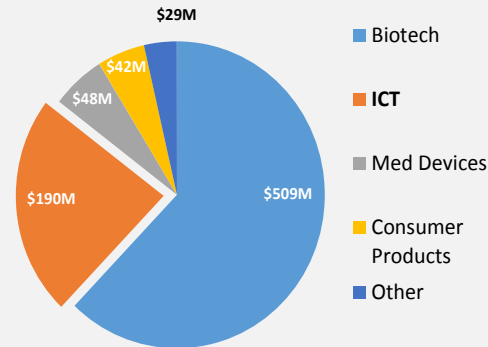
ICT firms and ventures received \$190 million in venture capital in 2014, accounting for to more than 22 percent of total venture capital activity in San Diego.

## BY THE NUMBERS

### Employment Numbers



### Venture Capital Investment by Industry



### ICT Cluster: Top Industry Sectors by Employment

Sector	Employment	Avg. Annual Pay	LQ*
Engineering Services	13,160	\$91,100	1.51
Custom Computer Programming Services	10,350	\$100,600	1.45
Electronic Instrument Manufacturing	10,120	\$93,400	2.68
Wired Telecommunications Carriers	5,230	\$77,200	0.90
Software Publishers	4,100	\$145,700	1.43
Res/Dev Phys, Eng, Life Sciences (ex Biotech)	3,990	\$179,500	4.80
Broadcast and Wireless Communication Equip	3,830	\$117,000	6.82
Testing Laboratories	2,690	\$85,300	4.95
Wireless Telecom Carriers (except Satellite)	2,630	\$92,100	1.78
Other Shared Cluster Industry Sectors	11,540	\$100,825.56	N/A
<b>Total ICT</b>	<b>67,600</b>	<b>\$103,300</b>	<b>1.65</b>

### Sources:

Highlights: Bureau of Economic Analysis, Bureau of Labor Statistics, and PricewaterhouseCoopers MoneyTree report, CONNECT Innovation Report, San Diego Regional EDC research.  
 By the Numbers: Bureau of Labor Statistics, California Employment Development Department and the US Census Bureau. Data period is annual 2014. | \*Note: LQ = Location Quotient.  
 Location quotient (LQ) is a valuable way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation.

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## RESOURCES

### EvoNexus

[evonexus.org](http://evonexus.org)

EvoNexus is the premiere, non-profit tech startup incubator in Southern California. By partnering with some of San Diego's biggest tech companies, EvoNexus has raised more than \$675 million for San Diego companies.

### CONNECT

[connect.org](http://connect.org)

CONNECT has assisted in the formation and development of more than 2,000 companies since 1985 and is widely regarded as the world's most successful regional program linking inventors and entrepreneurs with the resources they need for commercialization of products.

### Software San Diego

[softwaresd.org](http://softwaresd.org)

Software San Diego brings together San Diego's software technology, data analytics, and cloud-based application communities to promote industry growth and success, address common technical challenges and business opportunities, and advocate for common interests.

### Cyber Center of Excellence (CCOE)

[sdccoe.org](http://sdccoe.org)

CCOE is a non-profit organization that works to connect the region's cyber companies, foster cooperation, attract and nurture niche cyber talent, and create new opportunities for cyber business.

### San Diego Venture Group (SDVG)

[sdvg.org](http://sdvg.org)

SDVG provides a forum for entrepreneurs, venture capitalists, and advisors to connect on topics related to capital, startups, and company creation.