

INFINERA SUSTAINABILITY REPORT 2017

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About this Report

This is the third annual sustainability report of Infinera Corporation (referred to herein as “we,” “us,” “our” and “Infinera”) and covers the 2017 calendar year. This report provides an overview of our sustainability programs and activities based on our identified material aspects. It has been prepared in accordance with the Global Reporting Initiative (GRI) Standards: Core option. It has not been externally assured. A full GRI Content Index, as well as a cross reference to the United Nations Global Compact (UNGC) Principles, can be found on pages 29-31. To provide feedback or ask questions, please contact sustainability@infinera.com.

Visit Infinera.com for more information on our...

- Board of directors and management team
- Technologies, products and solutions
- Financial performance and investor relations
- Recent news, press releases, awards and list of customers

“We maintain the highest standards of business conduct and leadership development, through every action, interaction and aspect of our work.”



At Infinera, we believe that when our customers win, we win. That vision extends to the communities of stakeholders that look to us for leadership in the sustainability and stewardship of our resources. Our people work together in a spirit of teamwork to identify opportunities, roll up their sleeves and get things done.

We drive for results in everything we do; from managing resources like energy to supporting our employees and communities. In this report, you'll learn about our sustainability goals, our results and our company-wide process for continually improving our practices and performance.

We continue to drive down our climate impact as a function of the space we operate, through clean energy partnerships and energy saving measures and by diverting the majority of our waste from landfills, through reduction, recycling and composting. We maintain the highest standards of business conduct and leadership development, through every action, interaction and aspect of our work.

As we develop new solutions to meet our customers' needs and earn their business, we create smart, economic, and efficient products that use less energy, last longer, and perform better. This helps drive the sustainability of the entire network and we are committed to playing our role with the highest standards of quality.

This report highlights our progress to date in meeting our sustainability goals in the areas of business ethics as well as product, environmental and social responsibility. Some key highlights for 2017 include:

- We partnered with Silicon Valley Clean Energy to power our Sunnyvale facilities with 100 percent carbon-free energy sources.
- We reduced our greenhouse gas emissions intensity by 28 percent.
- We partnered with philanthropic groups to improve the health, education and well-being of people in our communities around the globe, including helping those most impacted by the devastating wildfires in Northern California.
- We expanded our environmental and safety management systems to include third-party registrations at three new sites.

We welcome you to join us on our journey, and we look forward to your feedback on our approach and our results. Please visit us at [Infinera.com](https://www.infinera.com) to learn more.

A handwritten signature in black ink, appearing to read 'Tom Fallon', with a long horizontal flourish extending to the right.

Tom Fallon
Chief Executive Officer

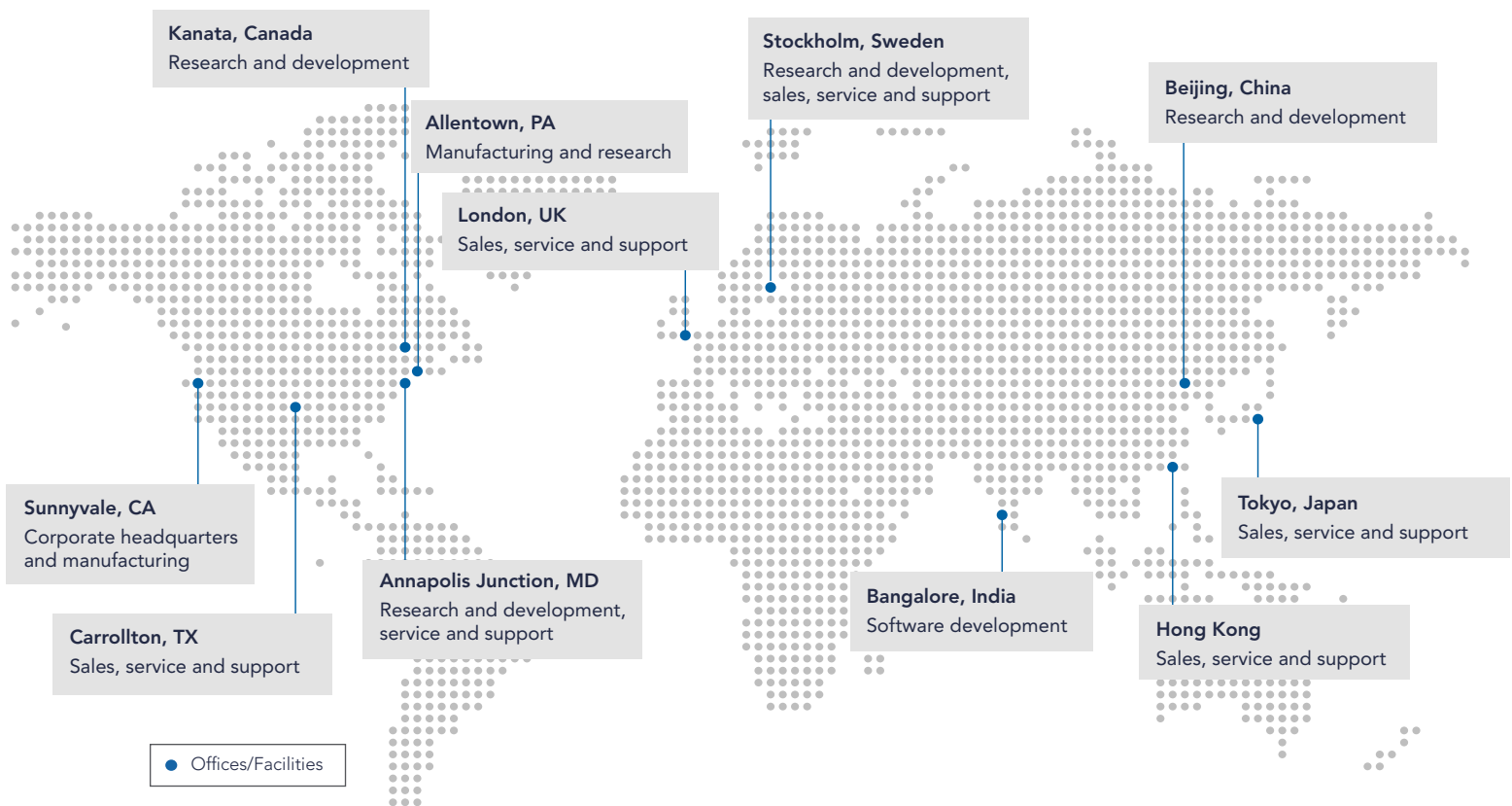
ABOUT INFINERA

We are the leader in optical transport networking solutions, providing equipment, software and services to telecommunications service providers, internet content providers, cable providers, research and education institutions, enterprise customers and government entities across the globe.

Our highly scalable optical networking solutions support the growing demand for high bandwidth across network locations from the core to the point of access. Our

products include optical transport networking equipment, and software and services that provide highly scalable transmission capacity and bandwidth management tools to simplify and support network operations.

Our support organization continues to scale and provide world-class services that successfully support customers in over 80 countries, and we continue to expand our services portfolio to meet the evolving needs of our customers. Our net revenue for 2017 was \$740.7 million.



Mission

Earn a superior return by enabling our customers to build and operate the world's best optical networks.

Vision

To enable an infinite pool of intelligent bandwidth that the next communications infrastructure is built upon.

Values

Our values are integrated into every aspect of our business practices:

- **Drive for Results**
We are aggressive in the pursuit of our goals.
- **Customer-centric Focus**
The success of our customers is paramount, and we will do everything necessary to honestly earn our customers' business.
- **Pioneering Spirit**
We are courageous, and we take risks. We solve problems others are afraid to solve, or can't even see.
- **Honesty and Humility**
We are committed to hold ourselves to the highest standards of conduct and behavior in every action, interaction and aspect of our work.
- **World-class Quality**
We are committed to ensuring the highest standards of quality in our products, our services and our approach to doing business.
- **Teamwork**
We are comfortable with cross-functional structures, and, regardless of title, we work as a team. We make things happen.

Sustainability Context Through the Value Chain

We act in a global marketplace with varying business practices and market conditions. Therefore, it is critical to identify and minimize risks and capitalize on opportunities throughout the value chain to build robust operations and business strategies.

We rely on a global network of suppliers to provide us everything from office supplies to raw materials, so it is crucial that we are sourcing responsibly and managing the social and environmental risks in our supply chain. We have robust management systems in place to identify and mitigate risks that are inherent in a global supply chain such as conflict minerals, human and labor rights, and legal compliance. See page 8-14 for more information.

From an environmental perspective, we consider both the impact of our operations and the life-cycle impacts of our products and services. In particular, we are taking a close look at the potential financial, regulatory and continuity impacts of climate change on our business.

The regulatory risks associated with climate change pose a potential financial risk to our business. Changes in fossil fuel taxation, for example, have led to higher transport and delivery costs. Other risks are flooding, extreme weather conditions and drought that could potentially affect both suppliers and transportation. See pages 17-20 for more information about our environmental management programs.

Finally, we are driving initiatives that benefit local communities and are striving to attract and develop a diverse and talented team to maintain a competitive advantage in the market. We place special emphasis on providing a good working environment and being an employer of choice across all our global operations. See pages 21-26 for more information on our workplace programs.

SUSTAINABILITY MANAGEMENT


Stakeholder Engagement

On a daily, monthly and annual basis, we interact with our stakeholders in meaningful ways to build and strengthen our relationships. Through surveys, personal meetings, annual forums and conferences, interviews, audits and more, we connect with our stakeholders to gain business insights, and so we can best reflect their priorities in our business practices. In 2015, we conducted a materiality analysis to identify the sustainability issues that matter most to our stakeholders, as well as to guide the development of our sustainability strategy and the content of our sustainability communications.

We found that our most important stakeholders (based on level of influence and frequency of interactions) are customers, employees, suppliers, stockholders and members of the community. In our assessment, we prioritized material aspects in the categories of business ethics, product responsibility, environmental responsibility and social responsibility based on how they are viewed by those stakeholders. We then set our sustainability goals to address these issues and the concerns of our stakeholders.

Each Stakeholder Group's Top Three Priorities

| CUSTOMERS | EMPLOYEES | SUPPLIERS | SHAREHOLDERS | COMMUNITY |
|-------------------------------|---|--|--|-------------------------------|
| Product energy performance | Community involvement and employee engagement | Labor and human rights | Corporate governance and Risk management | Reducing environmental impact |
| Responsible sourcing | Reducing environmental impact | Responsible sourcing | Leadership participation in ESG | Social responsibility |
| Reducing environmental impact | Social responsibility | Integrating sustainability in business practices | Environmental impact and compliance | Community involvement |



Materiality

We conduct a materiality assessment every three to five years, or when there are significant changes to our company, industry or the landscape of environmental, social and governance topics. In 2016, we built on our materiality assessment by expanding our stakeholder engagement and soliciting feedback on key issues, which gave us valuable information on how to further strengthen our sustainability efforts. It did not indicate any need to update our key focus areas or material aspects.

Our materiality framework is compliant with the 2016 GRI guidelines, and the results of it help to inform our practices and define the scope of our sustainability reporting. More information on the methodology and findings of our materiality assessment is available at [Infinera.com/sustainabilitystrategy](https://www.infinera.com/sustainabilitystrategy)

Materiality Findings

| | SUPPLY CHAIN | OUR BUSINESS | PRODUCT USAGE |
|--|--------------|--------------|---------------|
| Business Ethics | | | |
| Fair business practices and responsible corporate governance | <div></div> | <div></div> | <div></div> |
| Risk management | <div></div> | <div></div> | |
| Legal compliance | | <div></div> | |
| Product Responsibility | | | |
| Responsible sourcing | <div></div> | | |
| Product compliance | <div></div> | <div></div> | <div></div> |
| Product environmental impact | | <div></div> | <div></div> |
| Environmental Responsibility | | | |
| Emissions including carbon footprint | | <div></div> | |
| Waste management | | <div></div> | |
| Social Responsibility | | | |
| Health & safety | | <div></div> | |
| Employee development & engagement | | <div></div> | |
| Human rights & labor practices | <div></div> | <div></div> | |

Sustainability Governance

Our commitment to sustainability starts at the highest level of our company. Our management team works with us to set our sustainability goals and strategies, which are implemented by our Corporate Quality and Sustainability teams. Dedicated personnel throughout the company are trained to manage, monitor and report on sustainability issues.

Our Sustainability Goals

We align our sustainability goals with the results of our materiality assessments and refresh them every three years. In 2015, we set four goals to promote sustainability within our business, corresponding

to the focus areas of Business Ethics, Product Responsibility, Environmental Responsibility and Social Responsibility. To support these goals, we set annual targets and track our performance, as displayed in the table below.

| GOALS | 2017 TARGETS | PROGRESS | PERFORMANCE |
|---|--|----------|---|
| Business Ethics Goal: Secure high business ethical guidelines in our value chain | Implement Code of Conduct (CoC) in the value chain | ✓ | The Partner Code of Conduct has been implemented through an amendment to the reseller agreement |
| | Establish Business Amenities and Gift Policy | — | We established the Business Amenities and Gift Policy and are currently evaluating the need for additional training |
| | UK Modern Slavery Act | ✓ | We were compliant with the UK Modern Slavery Act in 2017 |
| Product Responsibility Goals: Minimize environmental impact of our product usage | Increase product power efficiency | — | Some of our completed projects have up to 70% improved energy efficiency, while some are still in progress toward optimum energy efficiency |
| | Maintain and expand RoHS, REACH and WEEE compliance to updated requirements | ✓ | We maintained compliance with the updated requirements for RoHS, REACH, and WEEE |
| Environmental Responsibility Goal: Minimize environmental impact of our business operations | 3% reduction in Scope 1 and 2 Greenhouse Gas Emissions normalized to headcount by 2018 (baseline is 2015). | ✓ | We achieved a total reduction in Scope 1 and 2 Greenhouse Gas Emissions by headcount by 22% since 2015 |
| | 3% reduction in water use normalized to headcount by 2018 (baseline is 2015). | ✗ | We experienced an increase in water consumption by headcount in 2017 (against the 2015 baseline) |
| | 68% landfill diversion in California and 100% in Pennsylvania | ✓ | We met our goal with a 68% landfill diversion rate in Sunnyvale and 100% in Pennsylvania |
| Social Responsibility Goal: Facilities and working environment well positioned for sustainable growth and contribute to a sustainable development | Strive for zero accidents and injuries | ✗ | We experienced two accidents in 2017 |
| | Leadership development and readiness | ✓ | Our Management Essentials Training Session was rolled out globally with an overall rating of 4.6 out of 5 by employees |
| | Success measures framework | ✗ | This target has been moved to early 2019 with the goal of a company-wide implementation by end of 2019 |
| | Sustainable people & culture growth | — | Our university recruiting program has been updated for 2019 and will be finalized in June 2018 |
| | Driving initiatives that benefit local community and causes | ✓ | Through our Infinera Community Fund, employees participated in community benefit activities around the globe |

✓ = Completed — = In progress ✗ = Not completed

BUSINESS ETHICS

We are committed to ensuring that all our business decisions, in each of our facilities around the world reflect, the integrity on which our company is founded.

Fair Business Practices

Our Code of Business Conduct and Ethics details our commitments to and expectations for employees in all operations, subsidiaries and business affiliates worldwide on the following topics:

| CODE OF BUSINESS CONDUCT AND ETHICS | |
|---|---|
| Making Decisions Honestly & Ethically | Compliance with laws, rules and regulations |
| | Conflicts of interest |
| | Insider trading |
| | Corporate opportunities |
| | Competition and fair dealing |
| | Payments to government personnel |
| | Political activities |
| | Money laundering and funding illegal activity |
| | Following anti-boycott laws |
| Protecting Infinera Information & Infinera Assets | Complying with export and import controls |
| | Record keeping |
| | Confidentiality |
| Be Safe & Reliable | Protection and proper use of Infinera assets |
| | Purchasing policies and supplier relations |
| | Labor rights |
| | Human rights |
| | Health and safety |
| | Environmental impact |

While the Code of Business Conduct and Ethics does not address every possible circumstance an employee might encounter, it does provide guidance for the most common ethical situations.

Our whistleblower policy provides a hotline for employees who reasonably believe they are aware of conduct that violates our legal duties—including, but not limited to, questionable accounting, or the reporting of fraudulent financial information to our stockholders, government, or the financial markets—to raise concerns without facing harassment, discrimination or retaliation.

Risk Management

Members of our senior management team are responsible for the implementation of our day-to-day risk management processes, while the board of directors, as a whole and through its committees, has responsibility for the oversight of overall risk management strategy. Additionally, each committee of the board of directors considers and manages any risks that may be within its area of responsibility.

Compliance

We maintain a culture of compliance with applicable laws and regulations in every jurisdiction in which we operate, and we conduct our business with the highest ethical standards.

We comply with the California Transparency in Supply Chains Act 2010 and the UK Modern Slavery Act 2015, and work through our compliance to ensure human trafficking is not taking place in our supply chain.

We had no confirmed cases of breaches to our Code of Business Conduct and Ethics in 2017. There were no formal grievances or legal claims filed against us along with their status during 2017.

Learn more about Infinera's approach to corporate governance, risk management and executive compensation in our proxy statement at infinera.com.



Compliance Training

Human Resources and Legal work together to ensure that our employees have appropriate training on compliance-related issues including our Code of Business Conduct and Ethics policies. Our online training module allows managers to assess employees' job responsibilities to ensure that appropriate job-related compliance training is identified and mandated, examples of which are below.



PRODUCT & SUPPLIER RESPONSIBILITY

Responsible Sourcing

Our suppliers and their subcontractors are integral to our success, and we choose to select those that adopt strong ethical standards, respect the rights of their employees and demonstrate environmental stewardship.

Our Supplier Code of Conduct sets out the minimum standards for our suppliers, so they act ethically and in compliance with applicable laws and regulations. Our key suppliers are required to apply our code to their first-tier suppliers and subcontractors, including providers of contract labor. We expect suppliers to be transparent about their compliance with this code through self-assessment and disclosure or third-party audits. Key suppliers of components and purchased assemblies are screened for compliance with our Supplier Code of Conduct before being added as an approved supplier. In addition, every two years, our strategic suppliers are required to extend their commitment to compliance with the code. At the end of 2016, 100 percent of these suppliers—20 in total—had renewed their commitment; our next renewal will take place at the end of 2018.

In addition to complying with our Supplier Code of Conduct, key suppliers are expected to be transparent about the sustainability impact of the materials and components they provide to us. We require that our strategic suppliers report their greenhouse gas (GHG) emissions to the Carbon Disclosure Project, and we are proud of our 100 percent participation rate for 2017. We also require those suppliers to disclose their sustainability priorities, goals and progress and to cooperate with our efforts to monitor their conformance, which include on-site assessments, questionnaires and surveys. We reserve the right to disqualify any potential supplier or terminate any relationship with a supplier that has failed to conform to these standards.

SUPPLIER CODE OF CONDUCT

| | |
|--------------------|---|
| Labor | Wages and benefits |
| | Hours of work |
| | Freely chosen engagement |
| | Young workers |
| | Harassment |
| | Nondiscrimination |
| | Freedom of association |
| Health & Safety | Occupational safety |
| | Emergency preparedness |
| | Occupational injury and illness |
| | Industrial hygiene |
| | Physically demanding work |
| | Machine safeguarding |
| | Sanitation, food and housing |
| Environment | Health and safety communication |
| | Hazardous substance management and restriction |
| | Solid waste |
| | Air emissions management |
| | Pollution prevention and resource reduction |
| | Boundary noise |
| | Environmental permits and reporting |
| Ethics | Materials restrictions |
| | Energy consumption and greenhouse gas emissions |
| | Purchasing ethics policy |
| | Disclosure of information |
| | Intellectual property |
| | Fair business |
| | Protection of identity and non-retaliation |
| Management Systems | Conflicts of interest |
| | Competition |
| | Money laundering |
| | Privacy |
| | Responsible sourcing of minerals |
| | Company statement |
| | Management accountability and responsibility |
| | Risk assessment and management |
| | Performance objectives |
| | Communications |
| | Audits and assessments |
| | Training |
| | Worker feedback, participation and grievance |
| | Corrective action process |
| | Documentation and records |
| | Supplier responsibility |

Management and Oversight

We expect our suppliers to conduct their business not only in a lawful manner, but also in alignment with the same high standards of integrity and ethics that we apply to our operations. Below are some of the ways that we manage risks in our supply chain and hold our suppliers accountable.

Surveys and On-site Audits

We use surveys and conduct scheduled and spot-check on-site audits of our major contract manufacturers (CMs) and key suppliers to assess and evaluate their performance on topics including labor conditions, child labor and human trafficking. We consider these principles in the selection of our CMs and suppliers, with the intention to actively monitor their compliance through our internal audit program.

Supplier audits are announced and conducted by Infinera at selected supplier facilities using audit protocols in line with the standards of the Responsible Business Alliance’s Code of Conduct and our Supplier Code of Conduct. We believe that employees at supplier facilities have the right to freely choose employment, the right to free association, and the right to be free of harassment and unlawful discrimination.

2017 SUMMARY OF SURVEYS, AUDITS, AND TRAINING

| | |
|---|------|
| Number of supplier reviews | 39 |
| Number of supplier on-site audits | 17 |
| Suppliers complying with Infinera Supplier CoC | 100% |
| Infinera procurement personnel trained in business ethics | 100% |
| Number of instances of non-compliance | 0 |
| Number of supplier terminations over ethics / compliance / etc. | 0 |

Annual Supplier Forum

For the past 11 years, we have hosted an annual Infinera Supplier Forum (ISF) for senior executives at some of our key suppliers (for semiconductors, mechanical and optical parts and assemblies from CMs, installation service providers and key second-tier vendors). The objective of this forum is to share our vision and product strategies, including our sustainability and corporate social responsibility initiatives, and enable direct discussions with suppliers. Featured speakers at ISF 2017 included our Chief Executive Officer, President and other members of our management, marketing and operations teams. We are consistently looking to maximize the value we provide at our annual forum and are working on changes and improvements to be made in the coming year.

Supplier Diversity

Suppliers provide innovation in all aspects of our operations and give us a competitive advantage in the marketplace. In 2017, we set a goal to maintain the existing Women and Minority Business Enterprise (WMBE) supplier base and increase awareness within the Infinera organization. We met this goal through the use of diverse and qualified suppliers certified under classifications that include:

- Small Business Enterprise (SBE)
- Women Business Enterprise (WBE)
- Minority Business Enterprise (MBE)
- Small Disadvantaged Businesses (SDB)
- Historically Underutilized Business Zone (HUBZone)
- Veteran Business Enterprise (VBE)
- Service Disabled Veteran Business Enterprise (SDVBE)
- Disabled Small Business Owners (People with Disabilities)
- LGBT Business Enterprise (LGBTBE)

We are actively involved in organizations and outreach events involving different supplier groups and are working on adding new ones next year.

Current organizations and outreach events include:

- Western Region Minority Supplier Development Council (WRMSDC) — This group supports the growth and welfare of minority communities by championing the use of minority-owned businesses in Northern California, Nevada and Hawaii.
- National Minority Supplier Development Council (NMSDC) — This group is the global leader in advancing business opportunities for certified Asian, Black, Hispanic and Native American business enterprises and connecting them to member corporations.
- Technology Industry Group (TIG) — This group brings awareness of supplier diversity to the high-tech industry supply chain. It brings the foremost industry experts from high-tech companies together in a setting where knowledge is shared and connections are made.

A key part of our Supplier Diversity Program is an initiative to help develop and grow the small businesses we work with and contribute to the economic growth of the communities where we operate.



Compliance Across the Value Chain

Our businesses, operations, products and services are subject to federal, state, local and international laws and regulations put in place to protect the environment. To comply with these regulations, we have a comprehensive environmental program that consists of systems, processes and tools to maintain data collection and retrieval and the reporting of product information. This includes a process for continuously updating the system and refreshing data specifically for:

- Banned substances under the Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS).
- Reportable substances under Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH).
- Waste management under the Waste Electrical and Electronic Equipment (WEEE) Directive.

We successfully met our compliance goals for these environmental regulations. To date, we have not received notification of any product environmental violations related to RoHS, REACH or WEEE regulations.

RoHS

In 2017, our RoHS program attained the achievements of improving processes for product life-cycle data management, obtaining certification of RoHS compliance and qualification and auditing our CMs and suppliers. In addition, we accomplished the following in 2017 to improve our RoHS compliance:

- Refreshed the program database for over 25,000 components with supplier RoHS certification of conformance to ensure their compliance to RoHS requirements.
- Maintained and updated the RoHS program infrastructure database.
- Completed product transitions for those with expiring RoHS exemptions to ensure product compliance with changing RoHS requirements.

REACH

Our robust REACH program is designed to ensure we meet all applicable requirements based on our compliance obligations. We accomplished the following in 2017 to maintain compliance with REACH requirements:

- Reviewed and refreshed our operational processes for supply chain REACH substance reporting purposes.
- Verified that the chemical substance registrations are in place by the original substance producers as required by the REACH initiative.
- Collected data on REACH substances from suppliers for approximately 25,000 components used in products and identified substances of very high concern.
- Identified key components that are at risk for presence of REACH SVHC per each biannual update by the European Chemicals Agency and confirmed with suppliers on compliance status.

WEEE

We follow robust processes to manage the requirements of WEEE regulations. We have a recycling and take-back program and are registered with European countries as needed. We comply with product identification requirements such as labeling for all products as required. We were compliant with the WEEE directive in 2017 and achieved the following:

- Maintained WEEE registration in all European Union (EU) countries, and re-registered in countries as required by local governance offices.
- Provided required monthly, quarterly and annual WEEE reporting and payment for the sales of products into the EU.
- Implemented identification marking and labeling for new products introduced to the marketplace.

Conflict Minerals

Our conflict minerals program monitors the sourcing of certain minerals from the Democratic Republic of the Congo (DRC) and adjoining countries, which are sometimes mined and sold under the control of armed groups to finance conflict characterized by extreme levels of violence.

Our strategy to minimize our exposure to these risks has three main components:

- **Conflict mineral policy:** We require all manufacturing suppliers to have a policy in place to reasonably ensure that the minerals in the products they supply or manufacture do not finance or benefit armed groups in the DRC or adjoining countries.
- **Supplier engagement:** We communicate our conflict minerals program requirements to our suppliers, who annually report on conflict minerals in their supply chain using the Conflict Minerals Reporting Template. Following the due diligence framework provided by the Organization for Economic Co-operation and Development, we follow up with suppliers that provide invalid data, and provide feedback to improve the report quality.
- **Annual disclosure:** In accordance with the Dodd-Frank Wall Street Reform and Consumer Protection Act, we report our conflict minerals program to the Securities and Exchange Commission (SEC) annually, available for view at [infinera.com](https://www.infinera.com).

Our grievance mechanism and reporting process encourages and allows employees, suppliers, and other parties to anonymously report concerns and violations of this policy, which are covered under our whistleblower protection and non-retaliation provisions.



We are proud members of the Responsible Minerals Initiative, where we engage with a range of stakeholders to share best practices, identify and mitigate risks, and support smelters and refiners to become RMAP-conformant.

Product Quality and Reliability and Customer Satisfaction

The Corporate Quality and Sustainability (CQS) team manages global product quality and customer satisfaction. The overall goal is to deliver world-class quality and reliability for our customers and stakeholders. This is accomplished with robust processes and operational controls, built-in from product concept, design and development, through manufacturing, installation and service delivery. At Infinera, there is strong commitment from the management team to ensure that internal and external feedback drives high customer satisfaction. CQS works closely with executive management, internal teams, operations and business groups to make sure that our products and services meet the highest level of performance, value, and quality and reliability.

The QuEST Forum is a global organization dedicated to quality and sustainability in the information and communication technology (ICT) community. In 1998, QuEST Forum developed the TL 9000 quality management system (QMS) to meet the supply chain requirements of the ICT. TL 9000 is built on ISO 9001 with supplemental requirements specific for ICT, known as TL Adders. It is a two-part QMS with significant management requirements as well as measurement components. Companies certified to TL 9000 benefit from a well-defined common standard addressing the ICT quality system requirements for design, development, production, delivery and service.

Infinera has been certified to TL 9000 since 2007.

We apply all the requirements and measurements to our quality and customer satisfaction practices, using reviews and surveys for direct customer feedback.

Infinera is also an active member of the QuEST Forum (see pg. 27) with employee representation.

As a member, Infinera can provide direct feedback for review and improvement of the TL 9000 standard. We also benefit from best practices collaboration, quality benchmarking studies and recognition for promotion of excellence from the leading companies in the ICT sector.



We are currently working to address the new TL 9000 version, TL 9000:2016/R6.0, which was released in 2016. In September of 2017, we launched a project called the Ninja Project to address the R6.0 version, which we will be completing in 2018.

Infinera regularly engages with customers to understand future requirements, which in turn enables us to develop product specifications that will meet their needs for performance, compliance, quality and reliability. Increasingly, these design specifications call for energy use requirements, restrictions on hazardous substances and compliance with laws and regulations on conflict minerals.

Steps we take to ensure the highest level of customer satisfaction include the following:

- Quarterly Business Reviews (QBRs) that cover operations, performance, quality and reliability.
- Internal reviews using customer scorecards and comparing them with our TL9000 metrics data.
- Monitoring customer satisfaction scorecards to gauge levels of satisfaction and measure experience.
- Incorporating requests and suggestions into our product/service development life-cycle.

To mitigate the risk in our supply chain we qualify multiple sources of critical components and score suppliers using our proprietary risk tool. We leverage monthly risk reviews and a database of product specifications to maintain a consistent set of expectations and requirements throughout the value chain.

We use both vertically integrated production facilities and qualified CMs to build our products. To manage risk during manufacturing, we maintain quality, health and safety and environmental management system

certifications. We also monitor and comply with all product specifications and legal and regulatory requirements and obligations.

We perform rigorous in-house quality control testing to establish the reliability of our products.

Customer Privacy

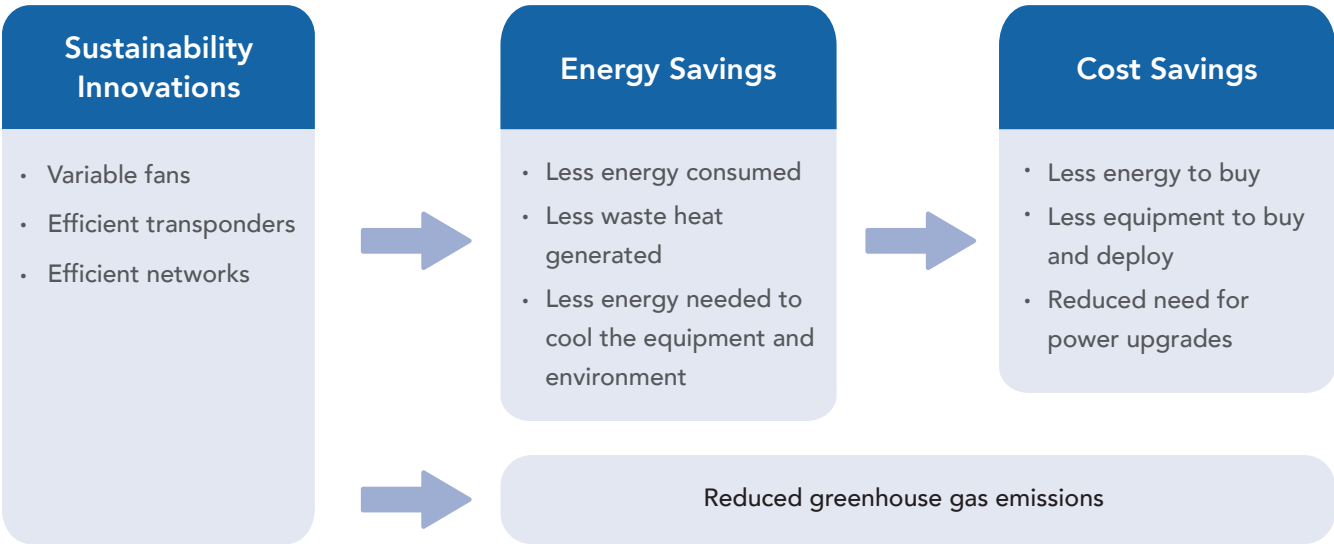
We are committed to respecting individual privacy rights and expectations, and to protecting personal data against unauthorized access, use, retention or disclosure. These aspects are considered throughout the value chain as part of design and development, installation, deployment and sales. We are not aware of any complaints about breaches of customers’ privacy received from any outside parties or regulatory bodies, or of any leaks, thefts or losses of customers’ personal data from breach of customer privacy.

Sustainability of Our Products

Our customers care about the total cost of owning their networks as well as the energy efficiency of those networks. Our solution is to design and produce industry-leading products that consume less power, which in turn reduces GHG emissions throughout the product life-cycle.

Here are some ways we accomplish this:

- Infinera is leading the way with purpose-built transponders and muxponders that significantly improve energy efficiency compared to previous product architectures. Our CX-1200 and XT-3300 products consume 57 watts (W) per 100 gigabits per second (100G), which is more than 40 percent more efficient than traditional architectures.
- Variable-speed cooling fans in our DTN-X product family sense the ambient temperature and power down when appropriate, saving over 90 percent of the energy normally used to run the fans.
- More efficient transponders in our XTM Series deliver 100G performance with just 20W, which represents a 40 percent energy savings over our nearest industry competitor.
- The Infinite Capacity Engine (ICE4) optical engine includes significant improvements in optical performance and networking capabilities. Improved optical performance reduces the need for high-power digital regeneration along long optical routes, significantly improving the energy efficiency of the network. Sliceability is a new networking capability of ICE4 that reduces the number of transponders that need to be deployed in many use-cases, further reducing the total power consumption of the network.



ENVIRONMENTAL RESPONSIBILITY

We are committed to reducing the environmental impact of our operations through energy efficiency, waste reduction and resource conservation. Our team of Environmental Health and Safety (EHS) experts and facility managers prioritizes and addresses environmental risks based on a precautionary approach throughout our operations and supply chain.



For the six year in the row, our environmental management systems are ISO 14001 certified.

Environmental Compliance

We regularly review our programs and operations using a third-party expert to confirm a high level of day-to-day compliance with local, state and federal regulations. We also incorporate changes in legal requirements and operations into an annual review.



Water Management

Fabricating semiconductors requires significant amounts of water, so most of our water management efforts focus on maximizing water efficiency at our lab facilities. We continue to evaluate process-water saving opportunities and track water use to identify where improvements are needed.

Offices and design facilities use water in kitchens and bathrooms and for landscaping irrigation. We take advantage of local utility rebate programs to implement low-flow solutions in restrooms and break areas. We use city-recycled water wherever possible for irrigation. We continue to take advantage of xeriscape landscaping principles at our California facilities to conserve water, and we have raised awareness of the importance of conservation among our employees by placing signs around our site.

Treatment of process water is accomplished by a permitted, on-site acid waste neutralization plant and discharged to the municipal sewage treatment system.

WATER CONSUMPTION (CUBIC METERS)

| | 2017 | 2016 | 2015* |
|-------------------|--------|----------|----------|
| Total Consumption | 46,995 | 46,289** | 40,424** |

This table covers our major sites and sales offices in the United States, Sweden and India.

**The addition of a new Sunnyvale building in early 2015 is the reason for the increase from 2015 to 2016.*

***Correction to 2016 water consumption data.*

Energy and Climate

One of the most important ways that we can reduce our impact on the environment is to reduce our consumption of energy. Since 2014, we have been identifying and implementing energy efficiency projects throughout our operations:

- Projects in Sunnyvale have saved 2,123 megawatt hours (MWh) since 2014.
- The power generator in our India facility was taken offline due to electricity from the public utility becoming more available and reliable.

In April 2017, our Sunnyvale facility began purchasing electricity from Silicon Valley Clean Energy (SVCE), a provider of 100 percent carbon-free and 50 percent renewable energy sources (solar, wind and hydroelectric projects). These power suppliers are located in California on the western grid and are required by state law to identify their resources and file a detailed report on the content of their generated power.

We have also been reducing transportation-related greenhouse gas emissions for our employees:

- We have installed electric vehicle charging stations for employees to use free of charge in California and Pennsylvania; a total of 129 employee vehicles are registered to use the chargers.
- We have enhanced the federal commuter benefit program for our employees in the United States by matching 50 percent of the available subsidy and raising awareness of the benefit; this programs allows flexibility across all available transit modes.
- Our United States facilities have bike lockers and showers and we support bike-to-work day and fun ride events to encourage more cycling among our employees.
- A worldwide commuter survey in 2016 found that on average, 54 percent of our employees use alternative transportation.

ENERGY CONSUMPTION (MWh)*

| | 2017 | 2016 | 2015 |
|---------------------|---------------|---------------|---------------|
| Electricity | 33,765 | 33,060 | 28,463 |
| District heating** | 334 | 731 | 654 |
| District cooling*** | 569 | 665 | 404 |
| Total | 34,886 | 34,456 | 32,686 |

*Major sites and sales offices included: United States, Sweden, and India.

**District heating: District heating is a system for distributing heat generated in a centralized location for residential and commercial heating requirements such as space heating and water heating (Sweden).

***District cooling: District cooling delivers chilled water to buildings like offices and factories needing cooling (Sweden).

EMISSIONS BY SCOPE 1 & 2 (TONS OF CO₂ EQUIVALENTS [tCO₂E])*

| | 2017 | 2016 | 2015 |
|--|---------------|-----------------|-----------------|
| Fleet vehicles (S1) & Facilities (production gases) (S1) | 624 | 1,281** | 1,202** |
| Facilities (energy use) (S2) | 10,047 | 14,598 | 12,970 |
| Total emissions | 10,671 | 15,879** | 14,172** |

*S1 and S2 stand for Scope 1 and Scope 2 according to GHG protocol. The chart above covers our major sites in the United States, Sweden, and India.

**Correction to 2016 data to include both fleet vehicles and production gases.

EMISSIONS BY SCOPE 3 (TONS OF CO₂ EQUIVALENTS [tCO₂E])

| | 2017 | 2016 |
|---------------------------------|---------------|---------------|
| Transportation and distribution | 9,867 | 27,394 |
| Business travel | 7,555 | 6,330 |
| Employee commuting | 2,997 | 2,991 |
| Fuel and energy related | 5,728 | 5,557 |
| Total | 26,147 | 42,272 |

The chart above covers our major sites in the United States, Sweden, India, China, Canada, the United Kingdom and Hong Kong.

Absolute GHG emissions vary over time and often correspond to the expansion or contraction of an organization. It is therefore useful to use reporting metrics that take these factors into account and monitor relative GHG emissions intensity. In 2017, our GHG emissions intensity decreased by 28 percent on the basis of operational footprint.

CO₂ EMISSIONS KEY PERFORMANCE INDICATORS (SCOPE 1 AND 2)

| Reference data | KPI* |
|---|---|
| 2017 | |
| 60,108 square meters of operational space | 0.18 tCO ₂ e per square meters |
| 2142 full-time employees | 8.52 tCO ₂ e per full-time equivalent employee |
| 2016 | |
| 59,737 square meters of operational space | 0.24 tCO ₂ e per square meters |
| 2240 full-time employees | 6.58 tCO ₂ e per full-time equivalent employee |
| 2015 | |
| 46,544 square meters of operational space | 0.28 tCO ₂ e per square meters |
| 2056 full-time employees | 6.38 tCO ₂ e per full-time equivalent employee |

*The chart above covers our major sites in the United States, Sweden, and India.

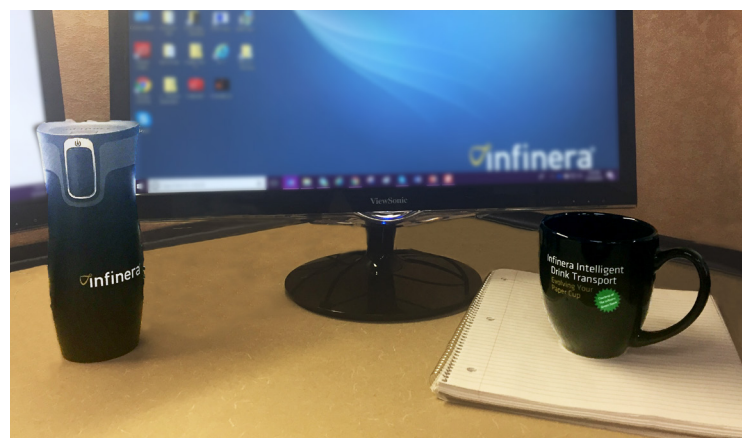
Air Emissions

The semiconductor fabrication facility in Sunnyvale, California is the only site subject to air emissions permitting requirements. Monitoring and reporting of air emissions is also required, including Toxic Release Inventory (TRI) emissions. We are required to report on methyl 2-pyrrolidone (NMP) emissions and off-site transfers since we use more than 10,000 pounds per year. NMP is a common “low-volatility” solvent used to clean wafer surfaces. The majority of the spent material is transported offsite for reclamation and treatment, with only a small fraction being emitted to the air. TRI reports can be found on the U.S. Environmental Protection Agency’s TRI website.

Waste and Recycling

We employ a variety of methods to reduce waste based on operations and the type of waste generated. Production and office waste, such as cardboard and paper, scrap metal and foam, is sorted and recycled. Hazardous waste is handled by qualified service providers. Some recent projects include:

- Our overall landfill diversion rate remains strong, at 68 percent.
- Our composting efforts in India continue to expand with the addition of a digester; compost material is distributed to employees.
- Our Sunnyvale site piloted a reusable mug program that has reduced disposable cup usage by 66 percent, saving over 11,000 cups per year.
- Electronic waste and equipment recycling continues to reduce landfill and universal waste at all sites.



WASTE GENERATION (METRIC TONS)

| Non-Hazardous Waste | 2017 | 2016 | 2015 |
|-------------------------|------------|------------|------------|
| Recycled | 211 | 243 | 205 |
| Compost | 35 | 19 | 10 |
| Incinerated | 57 | 62 | 57 |
| Landfilled | 140 | 106 | 93 |
| Total | 443 | 430 | 365 |
| Hazardous Waste | 2017 | 2016 | 2015 |
| Recovery | 0.17 | 0.20 | 0.15 |
| Incineration | 5 | 8 | 8 |
| Treatment Offsite | 83 | 72 | 87 |
| Landfill | 2 | 2 | 3 |
| Other (Universal Waste) | 21 | 29 | 25 |
| Total | 111 | 111 | 124 |

This table covers waste generation at our Sunnyvale, California, and Allentown, Pennsylvania facilities.

Waste Categories

| NON-HAZARDOUS WASTE | |
|---------------------|--|
| Recycled | Paper, cardboard, plastic bottles and cans, and printer cartridges |
| | Polyurethane and non-polyurethane foam from office, shipping and receiving |
| Composted | Kitchen waste |
| Incinerated | Mixed non-hazardous trash |
| Landfilled | Mixed non-hazardous trash |
| HAZARDOUS WASTE | |
| Recovery | Solvent waste (fuel blended or recycled offsite as feedstock) |
| Incineration | Flammable wipes used in cleaning of equipment |
| | Corrosive wipes used in cleaning of equipment |
| Treatment Offsite | 95:5 (%) water/hydrofluoric acid from semiconductor lab |
| | Concentrated acidic waste |
| Landfill | Wafers and solid material not able to be incinerated |
| Other | Universal Waste (approved recycle/recovery facility) |
| | - Alkaline and lithium batteries |
| | - Fluorescent and high-intensity discharge (HID) lamps |
| | - Electronic waste (e-waste/universal waste) |



In 2017, we received a Gold rating from EcoVadis based on an annual assessment covering four categories: environmental, labor

practices and human rights, fair business practices and sustainable procurement. The EcoVadis assessment evaluates a company's corporate social responsibility management system and benchmarks their overall score to other companies operating within the same industry. Our Gold rating is an indicator of our commitment to the transparency and visibility of our sustainability program.



SOCIAL RESPONSIBILITY

We believe all human connections need to foster mutual respect, appreciation of ideas and the lifting up of those most in need. In our realm of social impact, there must be movement toward sustained relationships and betterment within our global community. Our social responsibility efforts are designed with these values in mind.

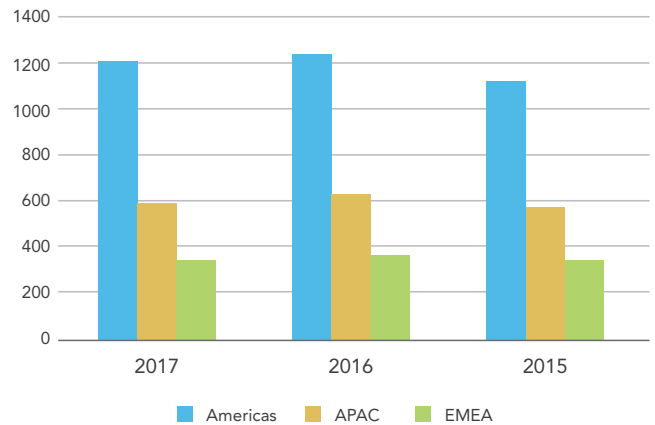
Our Workforce

At the end of 2017, Infinera had a total of 2,042 employees across the globe. As our business, products and service offerings continue to grow, we will continue to enhance our information technology, financial infrastructure and operating and administrative systems, as well as our ability to efficiently manage headcount and processes.

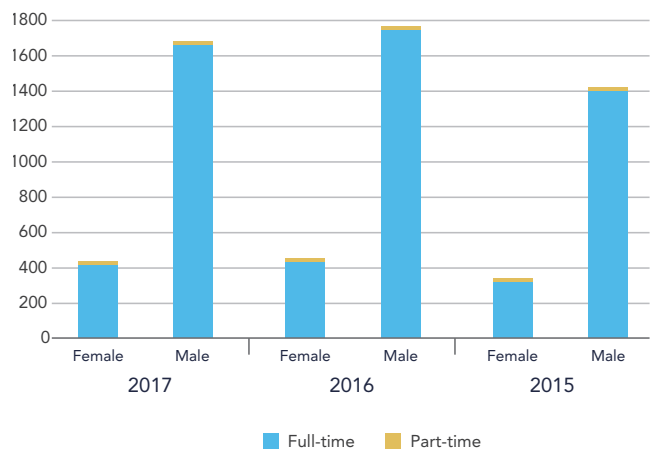
Our core value of teamwork is a critical aspect of our success, and we are working hard to see to it that the Infinera culture, which emphasizes collaboration and innovation, is embedded into every effort and operation.

This strategy supports our success through attracting, retaining and developing top industry talent, with an emphasis on excellence, transparency and contributing to a dynamic and engaging environment.

Our Employees



Employees by Employment Type and Gender



Diversity and Inclusion

We are committed to providing employees with a non-discriminatory work environment that promotes open and honest communication and embraces dignity, respect and diversity in all aspects of our operations.

Discrimination and Harassment

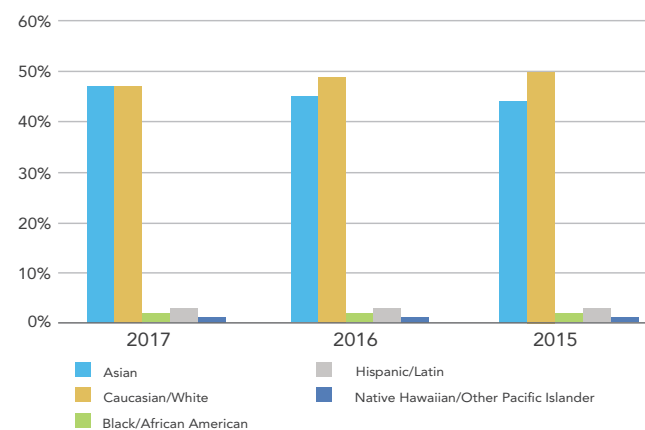
All employment decisions are based on a principle of mutual respect and dignity, as well as compliance with local laws. Our equal employment policy prohibits discrimination on the basis of gender, religion, age, origin, sexual orientation, or functional disability, as well as any other legally protected class. We strictly prohibit any acts of harassment and require regular training to ensure managers are aware of what constitutes harassment.

Employee Diversity

We strive for an environment characterized by respect for the individual, where cultural and ethnic diversity are blended by teamwork into a harmonious workforce. We are proud to have a broad spectrum of employees with diverse social and professional backgrounds.

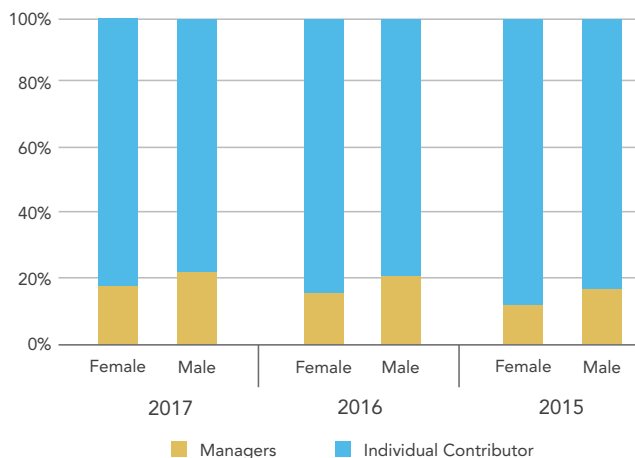
All employee data provided in this report has been compiled from our internal Human Resources records.

Race and Ethnicity

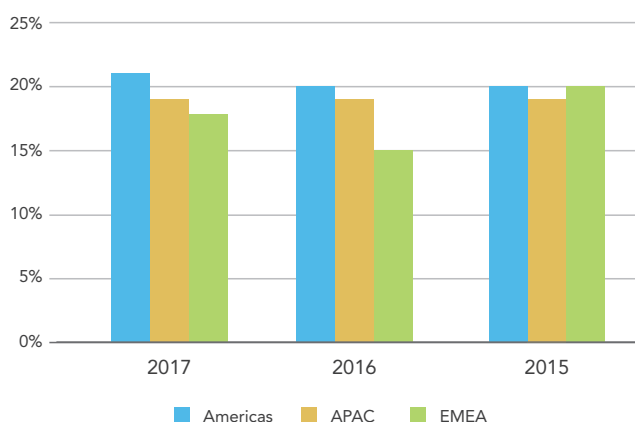


This graph is based on data from our United States operations.

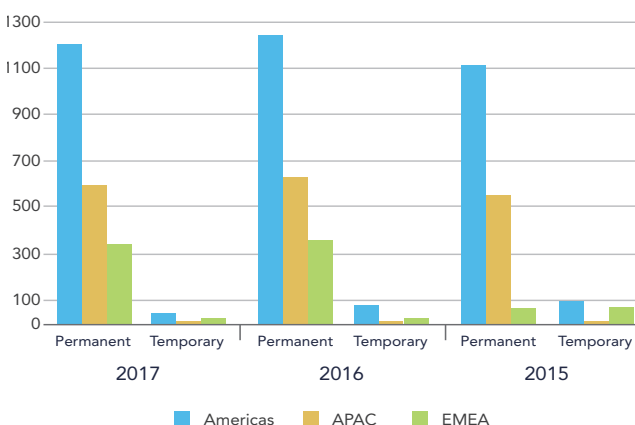
Employee Category Percent by Gender



Gender Diversity Percent of Women



Employee by Contract and Region



Human Rights and Labor Rights

We support and respect internationally proclaimed human rights, including the principles reflected in the Universal Declaration of Human Rights issued by the General Assembly of the United Nations. Our internal standards and supplier requirements are represented in the policies below:

- Code of Business Conduct and Ethics
- Supplier Code of Conduct
- Partner Code of Conduct

We further support the elimination of all forms of forced, bonded or compulsory labor. We do not recruit child labor and we support the elimination of exploitative child labor.

We support the right to freedom of association. Our office in Sweden has 100 percent of its workforce covered by a collective bargaining agreement (CBA), which brings our worldwide total percentage of employees covered by a CBA to nearly 12 percent. In facilities where workers are not unionized, we have mechanisms in place that enable workers to have a voice in operational decision-making.

In our manufacturing plants, we provide adequate notice to employees in advance of any significant changes to our operations, and appropriate levels of transparency and notice based on organizational change and labor standards per region and by country. Notice periods and provisions for consultation and negotiation are specified in the collective bargaining agreement.

Health and Safety

We are committed to providing all employees with a healthy and safe work environment by preventing accidents and improving workplace conditions. Our health and safety programs focus on personal accountability, professional conduct and regulatory compliance.

Management Systems

We maintain an Occupational Health and Safety Assessment Series (OHSAS) 18001-certified safety management system in our Sunnyvale, Allentown, and Stockholm facilities that helps us identify, manage and continuously improve safety risks and performance across all of our activities. This includes using:

- Safety policies that outline requirements and expectations.
- Standard operating procedures that provide detailed instructions for safely completing tasks.
- Audits and corrective action plans to identify and redress health and safety gaps.
- Detailed data tracking and reporting to measure performance over time.

Safety Training

Training is based on the specific hazards of the job and is assigned based on management input with EHS oversight. Safety classes may include topics like chemical safety, laser safety, electrical lock-out/tag-out, forklift training and office or industrial ergonomics.

Emergency Preparedness

We have trained Hazardous Materials Teams at locations where appropriate and Emergency Response Teams that can respond to any medical emergencies that arise.

| SAFETY PERFORMANCE | | | |
|-------------------------------------|------|------|------|
| | 2017 | 2016 | 2015 |
| Fatalities | 0 | 0 | 0 |
| Number of OSHA Recorded Cases | 2 | 5 | 3 |
| Number of Lost Time Injury Cases | 2 | 1 | 1 |
| Number of Restricted Work Day Cases | 0 | 2 | 1 |

This table covers United States employees only. At this time, we do not track health and safety data by gender.

Development and Engagement

We believe in the value of continuous learning and foster a culture of professional growth. We encourage employees to share candid feedback about working for our company through our Executive Suggestion site and on public forums such as [Glassdoor.com](#).

We realize that experiential learning is powerful in career development, and we provide job-based learning opportunities that include working on new projects, cross-functional transfers, expanded roles and relocations to other geographies. In 2016, we conducted a culture survey, and the findings helped guide our leadership and development platforms to enhance leadership capabilities in the past year.

We are proud of our Infinera Scholarship Program, which provides job-specific skills, mentoring and peer-networking opportunities to college freshman. We are continuing to invest in and grow our university hiring program globally.

Training

We offer various learning opportunities to employees at all levels, through Leadership and Development Courses for Managers, Lunch and Learn Info Sessions and employee courses, as exemplified below.

From a formal learning perspective, our employees were given a variety of offerings and, on average, employees received 4.1 hours of formal learning, including compliance training in 2017.



Learning Management System

In 2016, we expanded our investment in a sophisticated learning management system (LMS). As a continuation of this investment, in 2017 we began utilizing the LMS to track the progress and status of training and classes for our customers. Next year, we will be looking to conduct outreach to managers to identify training needed for employees in different departments and jobs.

Employee Coaching

We believe that annual performance evaluations are not enough, so we encourage management and employees to pursue more frequent and regular dialogue and engage in an interactive process to provide timely recognition and ongoing feedback. Our Coaching Conversations are two-way discussions intended to drive outcomes in a rapidly shifting environment. Through our annual trainings and HR guidance, we develop our managers into stronger leaders that have healthy exchanges with their employees and lead collaborative teams that focus on solutions. Employees are also encouraged to discuss career aspirations and ideas with their managers or a mentor on a bi-annual basis. This Career Conversation is an opportunity for employees to discuss their career interests, broaden their skills and knowledge and review progress.

Employee Recognition

We are proud of our talented and hardworking team. Our standards and expectations are high, and when an employee or team performs above and beyond our expectations, those efforts are worthy of special recognition that can come in a multitude of ways, including personalized thank-you notes, spot bonuses, annual social events and Guiding Light awards that spotlight employees who exemplify Infinera values.

Employee Benefits and Compensation

Our goal is to provide our talented employees with a total compensation package competitive with the market. Total compensation for eligible employees includes base salary, bonuses, and equity awards. Factors such as internal and external comparisons, individual employee performance, potential and unique skills or knowledge required for the success of the company affect the composition and level of total compensation for each employee.

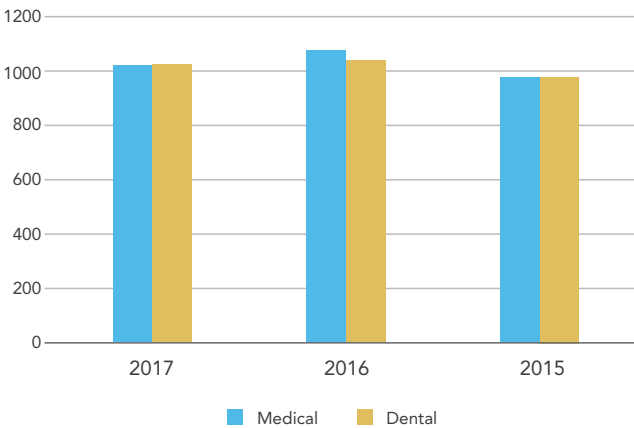
United States Benefits

All regular full-time employees and regular part-time employees who work 24 or more hours per week are eligible for all Infinera benefits. Part-time employees working fewer than 24 hours per week will be eligible for such benefits as are legally required.

Health Insurance

Our goal at Infinera is to offer comprehensive benefits while minimizing costs for our employees and for Infinera. We currently provide a comprehensive health benefit program that includes medical, dental and vision plans for eligible employees and their dependents, of which we pay the majority. Employees may also enroll in a flexible spending account for healthcare, dependent care, and commuter costs.

Employee Participation in U.S. Employer-Sponsored Benefits



401(k) Retirement Plan

We offer a 401(k) retirement savings plan to our United States-based employees. Employees are eligible to enroll as of their hire date and contribute a percentage of salary up to the maximum limit imposed by the Internal Revenue Service. In 2016 we implemented an employer match and in 2017 our 401(k) participation rate grew from 83 to 88 percent.

Benefits in Global Operations

Our goal is to provide market-competitive benefits as part of our total reward structure to ensure peace of mind for all employees around the globe and their dependents. Our primary coverages pertain to private medical coverage, life insurance and various forms of accident or disability coverage.

These coverages can be found in all major operational regions, including the United States, Sweden, Canada, the United Kingdom, India and in other locations around the world. Benefits may differ based on location, statutory requirements and local customary best practices.



Wellness Programs

We promote the health, safety and well-being of our employees through our wellness programs through which employees can participate in various fitness challenges, team sports and financial wellness and healthy living programs. Last year, Sunnyvale employees competed in soccer, badminton and cricket tournaments. For employees without access to our on-site fitness centers, we offer a reimbursement subsidy for gym membership.



Memberships and Associations

In 2017, we participated in industry associations, trade groups and peer-networking organizations, a few of which are listed below:

American Society for Quality (ASQ)

We have employees on the Leadership and Membership committees of the ASQ Silicon Valley chapter. Visit asq.org/.

Responsible Minerals Initiative (RMI)

We support the RMI's efforts to validate smelters and refiners as "conflict-free" in line with current global standards.

Visit responsiblemineralsinitiative.org/.

QuEST Forum

Infinera is an active member of the QuEST Forum, with employee representation.

Visit questforum.org/.

Silicon Valley Leadership Group (SVLG)

A number of our executives sit on several SVLG committees. Visit svlg.org/.

United Nations Global Compact (UNGC)

We engage with UNGC to align strategies and operations with universal principles on human rights, labor, the environment and anti-corruption. Visit unglobalcompact.org/.

Women in Photonics, Silicon Valley

We support the effort to provide networking, career growth and development opportunities for women in the field of photonics.

Visit wiphotonics.weebly.com/.



Community Engagement

We are proud of the positive impact we have in our surrounding communities and encourage employees to participate in company-sponsored volunteering opportunities through our Infinera Community Fund (ICF).

Infinera Community Fund

Our ICF and all-employee volunteer team was founded in 2010. ICF's mission is to foster mutual respect, appreciation of ideas and the lifting up of those in need through employee-run events and initiatives in our local communities. We want to support the causes that matter most to our employees, empowering them to make a difference in their neighborhoods and the world at large.

In 2017, employees of Infinera participated in many volunteer events around the world. We have highlighted three events below that we believe demonstrate the passion and caring of our employees.

India

SayTrees

In June, Infinera's India team and SayTrees contributed to our corporate social responsibility initiatives by organizing and participating in a tree-planting campaign to support 2,000 saplings. At the event, Infinera employees and their families learned about tree plantation and growth and planted their own trees with the tools provided. SayTrees is group of ordinary people extraordinarily determined to protect the environment by sensitizing others toward the importance of environmental conservation and encouraging participation in tree-plantation campaigns.



Sweden

Stockholm City Mission

Last year, Infinera participated in a gift donation to Stockholms Stadsmission (Stockholm City Mission), where employees contributed by buying gifts for those in need, wrapping them and bringing them to the organization. Stockholm City Mission is a non-profit organization that works to create a more humane society by working with social care, health, education, and labor integration. Their aim is to encourage participation regardless of an individual's economic background and to prevent the exclusion of those in need.

United States

North Bay Fire Victims

In October 2017, our neighbors to the north desperately needed our help due to the many fires consuming the area. In a truly collaborative effort by Infinera Sunnyvale, employees across multiple departments reached deep into their hearts and led the effort to help provide relief to a community experiencing great hardship. Infinera collected and organized the delivery of 2,000 pounds and six pallets of clothing, blankets, and other goods to Santa Rosa for distribution among the families in need.



UNGC & GRI CONTENT INDEX

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| 2 | Business should make sure that they are not complicit in human rights abuses | 9, 11, 14 |
| 3 | Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining | 9-11, 23 |
| 4 | Businesses should uphold the elimination of all forms of forced and compulsory labor | 9-11, 23 |
| 5 | Businesses should uphold the effective abolition of child labor | 9-11, 23 |
| 6 | Businesses should uphold the elimination of discrimination in respect of employment and occupation | 8-11, 21-23 |
| 7 | Businesses should support a precautionary approach to environmental challenges | 17 |
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| 10 | Businesses should work against corruption in all its forms, including extortion and bribery | 8-11 |



UN GLOBAL COMPACT

COMMUNICATION ON PROGRESS

This is our **Communication on Progress** in implementing the principles of the **United Nations Global Compact** and supporting broader UN goals.

We welcome feedback on its contents.

We are a proud member of the UNGC, a voluntary initiative based on CEO commitments to implement 10 universal sustainability principles on human rights, labor, the environment and anti-corruption, and to take actions that advance societal goals.

This report explains our progress in implementing the UNGC principles, cross-referenced in the adjacent table.

We report on our sustainability efforts according to GRI Guidelines according to “In accordance – Core” level. This report has not been externally assured. The GRI content index includes General Standard Disclosure Items and Specific Standard identified as material in our materiality analysis.

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| 102-13 | Membership of associations | 27 |
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| 102-46 | Defining report content and topic Boundaries | 6 |
| 102-47 | List of material topics | 6 |
| 102-48 | Restatements of disclosure | 17, 18 |
| 102-49 | Changes in reporting | N/A |
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| 102-51 | Date of most recent report | July 2017 |
| 102-52 | Reporting cycle | 1 |
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| GRI INDICATOR | DESCRIPTION | PAGE NUMBER |
|---|---|-------------|
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