







2013-2014

sustainability summary







# ABOUT

## THYSSENKRUPP ELEVATOR AMERICAS

ThyssenKrupp is a diversified industrial group with traditional strengths in materials and a growing share of capital goods and services businesses. Over 155,000 employees in nearly 80 countries work with passion and technological expertise to develop high-quality products and intelligent industrial processes and services for sustainable progress. Their skills and commitment are the basis of our success. In fiscal year 2013/2014 ThyssenKrupp generated sales of

around €41 billion.

ThyssenKrupp Elevator AG is one of the world's leading elevator companies. With more than 50,000 highly skilled employees, the company offers innovative and energy-efficient products designed to meet customers' individual requirements. The portfolio includes passenger and freight elevators, escalators and moving walks, passenger boarding bridges, stair and platform lifts as well as tailored service solutions for all products. Over 900 locations around the world provide an extensive sales and service network to guarantee closeness to customers.

ThyssenKrupp Elevator Americas, a subsidiary of ThyssenKrupp

Elevator AG, is the largest producer of elevators in the Americas. The company oversees all business for the operations in the United States, Canada, Central and South America including Brazil and Mexico and twelve additional countries in the region. There are more than 15,500 employees, in over 230 branch and service locations. This biennial sustainability summary includes environmental data from our United States manufacturing and field offices. This report covers progress on the five-year efficiency goals to reduce waste, water, energy and fuel use, using 2010 as the baseline year. It also includes our product's energy efficiency, supply chain efforts, green building education and safety initiatives covering the period of 2013 and 2014.

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#### **OUR MISSION**

We are ThyssenKrupp — the technology and materials company. We meet the challenges of tomorrow with our customers. We hold ourselves to the highest standards.

We share common values.

### FROM THE CHIEF EXECUTIVE OFFICER



"We are constantly evolving as an organization and working to create the most efficient technologies."

Dear Colleagues and Friends:

Impact is something that I take very seriously in my role as president and CEO of ThyssenKrupp Elevator Americas. Financial impacts, market impacts, community impacts, environmental impacts and of course human impacts are all considerations in each and every business decision I make. To that end, our job at ThyssenKrupp Elevator is to provide our customers safe and cost-effective mobility within buildings while maintaining minimal chemical and environmental footprints and improving our social responsibility.

Population increases are a growing environmental concern. Urbanization trends indicate that by 2030, there will be 41 megacities, holding 10 million people each, in the world. As human population grows and city buildings become higher and more populated, the impacts of how we use space and natural resources become more complex.

At ThyssenKrupp Elevator, we understand caring for the environment is fundamental to the future of healthy cities; however, finding the right balance between conservation and supporting increasing populations can be challenging. That is why we will continue to conduct our business under the guiding principles of sustainability. Focusing on minimizing our impact on the environment, respecting our communities and working towards profitability that supports growth and expansion.

I continue to be proud of the amazing steps our organization makes year-over-year. It is a true testament to our people and their spirit.

Sincerely,

**Richard Hussey**President and CEO

ThyssenKrupp Elevator Americas

# FROM THE VICE PRESIDENT OF SUSTAINABILITY



"Our continual advancements allow us to improve the environment around us while sustaining growth in the industry."

Dear Colleagues and Friends:

Over the course of the two years reported within this summary, the demand for material transparency has greatly increased. This trend is leading researchers and consumers to look at manufactured products with a new and much more powerful lens. The concerns are centered on human health and wellness along with the environment.

Green building certifications like LEED1 and the Living Building Challenge<sup>2</sup> are becoming more stringent when it comes to sustainability. Today, buildings are expected to be not only energy and resources efficient, but also built using healthy materials. Similarly, energy codes are becoming more rigid and moving towards performancebased models. Soon, elevators and escalators will be included under these codes. The smarter buildings become, the more they contribute positively to the economy and the environment. ThyssenKrupp Elevator has joined non-governmental organizations to address these concerns by voluntarily establishing standards and codes of conduct. In fact, we are leading our industry. For example, we published Health Product Declarations (HPDs)<sup>3</sup> for our standard line of elevator cabs. HPD is an open standard helping organizations to be more transparent by disclosing all the ingredients in their materials up to 100 parts per million.

As awareness about toxic substances in the built environment increases, those specifying construction products are choosing suppliers that publish Health Product Declarations. This, in turn, can help projects to achieve points for LEED certification. Other third party organizations and standards like UL and Cradle-to-Cradle can help organizations to assess ingredient hazardousness and exposure in their materials.

This report reflects the importance ThyssenKrupp places on sustainability. Our advancements allow us to improve the environment while sustaining growth in the industry.

Sincerely,

**Brad Nemeth** 

Vice President of Sustainability ThyssenKrupp Elevator Americas

#### 1 LEED

Leadership in Energy and Environmental Design is a set of rating systems for the design, construction, operation and maintenance of green buildings.

## 2 Living Building Challenge

The built environment's most rigorous and ambitious performance standard. Administered by the International Living Future Institute (ILFI).

# 3 Health Product Declaration (HPD)

An organization committed to the continuous improvement of the building industry's performance through transparency and innovation in the product supply chain.



The following are a list of promises or PACTs to which the ThyssenKrupp AG Group is committed. Please find our corresponding actions or ACTs here in North America on the pages that follow.

# IMPACT

We regard responsible environmental and climate protection as an important corporate objective.

The Group aims to conserve resources in an ecologically, economically and socially sustainable manner and protect the diversity of our natural habitats' environment and climate.

# IMPACT

We promote environment and climate-friendly products and services.

When developing new products and services and when operating production equipment, we ensure all environmental and climate impacts are kept to a minimum. We achieve this by setting and implementing our own targets in the environmental and climate programs of our Group Companies and by cooperating closely with our suppliers and customers as well as with public and private institutions. In addition, we support our suppliers and customers in improving their own environmental and climate protection measures.

# IMPACT

Environmental and climate protection is a task for everyone.

Our managers and employees make an important contribution to environmental and climate protection. Through regular internal training programs and information from contractual partners, we ensure they have the necessary knowledge and understanding. We motivate our managers and employees to play an active part in implementing and improving our environmental and climate targets.

# IMPACT

We comply with legal obligations and other environmental and climate protection requirements.

Our Group Companies systematically identify the environment- and climate-relevant aspects of their activities, in particular the areas of waste, recycling, air, noise, energy, climate, and soil, water and nature conservation. In this context they also analyze environmental and climate risks and take measures to avoid problems in operations and processes that could negatively impact the environment. We ensure compliance with legal regulations and other environmental and climate protection requirements.



We conduct an open dialogue on environment and climate issues with government institutions, nongovernmental organizations and the general public.



# We measure our environmental performance.

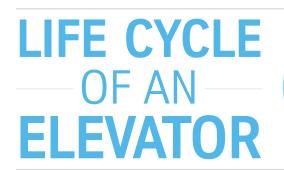
Every action taken has an impact on the environment, from the materials we use to the tiers in our supply chain. Therefore we strive to continually adjust our goals based on our growing understanding of what can be managed and measured.

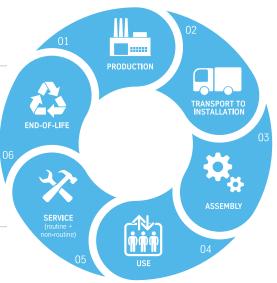
We feel that the impact both the manufacturing process and lifetime use of a product has on the environment should be measured. Therefore, we measure our efficiency performance in relation to the resources we use and our production.

See page 14 to learn more about LCA results.

This report's environmental performance chart (see page 11) also reflects a decrease in electricity and water consumption during a period of increased production. We have made commitments to keep reducing absolute values in the upcoming years.

Since understanding our product's footprints helps us and our customers to make better environmental decisions, all new products are designed using a life cycle approach. We develop Life Cycle Assessments (LCAs) which measure a product's environmental impact from raw material extraction to the end of its useful life, which is also referred to as cradle-to-grave. This process helps us to assess the different trade-offs and select the best product configurations.





### 4 ISO 14040 standards

describes the *principles* and framework for LCAs including: definition of the goal and scope of the LCA, the life cycle inventory analysis phase, the life cycle impact assessment phase, the life cycle interpretation phase, reporting and critical review of the LCA, limitations of the LCA, the relationship between the LCA phases, and conditions for use of value choices and optional elements.

## 5 ISO 14044 standards

specifies requirements and provides guidelines for LCA including: definition of the goal and scope of the LCA, the life cycle inventory analysis phase, the life cycle impact assessment phase, the life cycle interpretation phase, reporting and critical review of the LCA, limitations of the LCA, relationship between the LCA phases, and conditions for use of value choices and optional elements.

# IMPACT

#### We invest in sustainable products.

Investing in sustainable products is high priority at ThyssenKrupp Elevator. Our research and development allows for greater success in our company by developing greener products and fostering relationships for stronger innovation. As a manufacturer, we understand the materials we use in our products and the production of those products have a lasting impact. Our advanced materials set new

standards in resource efficiency and environmental protection.

ThyssenKrupp's promise of quality products gives our customers

a key market edge in many sectors.

"In business, innovation is more essential than ever due to increased competition. Innovation is a catalyst for sustained growth and prosperity."

Thomas Felis

Vice President, RIC Atlanta ThyssenKrupp Elevator Americas



# **6** Research and Development

The ITS Research & Development department closely monitors technological trends and innovations to arm our field technicians with custom-made diagnostic tools to improve repair speed and limit downtime.



We reduce the amount of fossil fuels used to operate our fleet<sup>7</sup>.

We are halfway to reach our 20% efficiency goal set for 2015 in our United States fleet. Our fleet is used to deliver ongoing service and maintenance to all our installed and operating elevators within the Americas. The fleet consists of right-sized gasoline and diesel vehicles, as well as vehicles that run on propane or electricity.

11%

20%

#### 7 Fleet

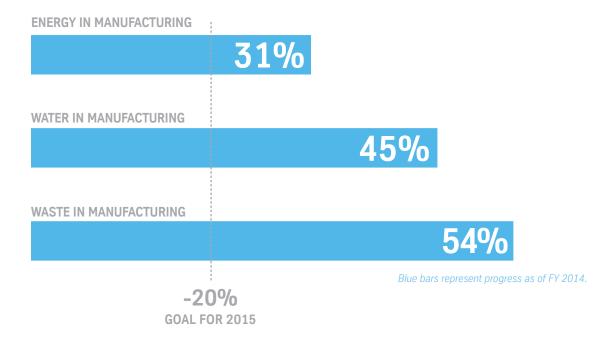
Currently, the fleet consists of right-sized vehicles and alternative fuel vehicles that run or propane or electricity.



# We manufactured more products using less energy.

Year over year, the number of products manufactured is increasing but the amount of electricity we use is decreasing. We are producing more by using fewer resources. Also in 2013, the U.S. factory began the process to earn a LEED certification for existing buildings and the company will make the necessary investments designed to not only improve our employees' health and safety but reach our goals to minimize our impacts on the environment, reduce waste and provide greener solutions for our customers.

Our five-year goals set in 2010 were to increase efficiency on energy, water and waste usage by 20%. The below chart displays our progress. In 2014 we increased energy efficiency by 31%, water efficiency by 45% and waste efficiency by 54%.



The following figures show the energy, water and waste performance indicators. We can closely observe the usage trend over the last four years.

# 

We are producing more products, using less water and managing waste more efficiently. However, our absolute energy used in manufacturing increased by 2%. Our next goals will focus not only in increasing efficiency but also on decreasing absolute energy consumption.

We increased production by 58% from 2010 to 2014, while reducing absolute consumption and waste.

**ENERGY IN MANUFACTURING** 

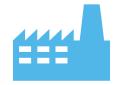
WATER IN MANUFACTURING

**WASTE IN MANUFACTURING** 

+2% -18% -33%

In 2013, the Department of Energy recognized the Middleton plant for achieving...

improvement of energy intensity in 2012



cumulative improvement against our baseline year

These upgrades were financed in part by the Tennessee Valley Authority in conjunction with the Department of Energy.

## **ENVIRONMENTAL PERFORMANCE CHART**

The following environmental data corresponds to our operations in the United States. We use this data to define strategic goals and targets to reduce our environmental footprint.

| 2010<br>[BASELINE]<br>2010<br>40,939 | 2011<br>- <b>7%</b><br>2011  | 2012<br><b>15%</b><br>2012   | 2013<br>12%   | 2014<br><b>16%</b>   |
|--------------------------------------|--|------------------------------|---|--|
| 2010                                 | 2011   |                              |   | 16%  |
|                                      |  | 2012                         | 2047  |  |
|                                      |  | 2012                         | 2047  |  |
| 40,939                               |  |                              | 2013  | 2014   |
|                                      | 37,614   | 35,935                       | 36,274  | 35,092   |
| 4,876                                | 4,811  | 4,334                        | 4,306   | 3,018  |
| 7,530                                | 8,174  | 7,002                        | 7,355   | 7,292  |
| 28,532                               | 24,628   | 24,599                       | 24,613  | 24,782   |
| 28,923                               | 27,647   | 30,167                       | 30,429  | 34,311   |
| *                                    | 57   | 44                           | 71  | 90   |
| 5,992                                | 5,649  | 6,200                        | 6,416   | 6,683  |
| 22,931                               | 21,941   | 23,923                       | 23,942  | 27,538   |
| 5,077                                | 4,300  | 4,216                        | 4,359   | 4,573  |
| 87,236                               | 67,733   | 65,866                       | 67,575  | 68,842   |
|                                      |  |                              |   |  |
| 2010                                 | 2011   | 2012                         | 2013  | 2014   |
| 17,551                               | 11,807   | 13,703                       | 20,912  | 20,824   |
| *                                    | *  | *                            | *   | 1,307  |
| *                                    | *  | *                            | 4,364   | 5,121  |
| 17,551                               | 11,807   | 13,703                       | 16,548  | 14,395   |
|                                      |  |                              |   |  |
| 2010                                 | 2011   | 2012                         | 2013  | 2014   |
| 5,202                                | 5,467  | 6,174                        | 10,374  | 8,523  |
| 1,701                                | 940  | 1,167                        | 1,213   | 1,234  |
| 164                                  | 166  | 218                          | 16  | 22   |
| 1,865                                | 1,106  | 1,385                        | 1,229   | 1,256  |
|                                      | 28,532  28,923  * 5,992 22,931  5,077  87,236  2010  17,551  * 17,551  2010  5,202 1,701 164 | 28,532 24,628  28,923 27,647 | 28,532       24,628       24,599         28,923       27,647       30,167         *       57       44         5,992       5,649       6,200         22,931       21,941       23,923         5,077       4,300       4,216         87,236       67,733       65,866         2010       2011       2012         17,551       11,807       13,703         *       *       *         *       *       *         17,551       11,807       13,703         2010       2011       2012         5,202       5,467       6,174         1,701       940       1,167         164       166       218 | 28,532       24,628       24,599       24,613         28,923       27,647       30,167       30,429         *       57       44       71         5,992       5,649       6,200       6,416         22,931       21,941       23,923       23,942         5,077       4,300       4,216       4,359         87,236       67,733       65,866       67,575         2010       2011       2012       2013         17,551       11,807       13,703       20,912         *       *       *       *         *       *       *       4,364         17,551       11,807       13,703       16,548         2010       2011       2012       2013         5,202       5,467       6,174       10,374         1,701       940       1,167       1,213         164       166       218       16 |

Production has increased year over year since 2011.
 Vehicle fuel consumption covers service vehicles only, it does not include any shipping to or from our factories. Calculations do not include fuel consumed in our distribution centers.
 Emissions are calculated using greenhouse gas emission factors from the Environmental Protection Agency (EPA) and using global warming potentials with a time horizon of 100 years, retrieved from the United Nations Framework Convention on Climate Change.

 <sup>4</sup> Materials include metal scrap, paper, cardboard, wood, batteries, and spray cans.
 5 Hazardous materials include hydro oil, machine oil coolant, and thinner used during the production process.



We modernize and transform outdated technology into energyefficient systems.

Urbanization<sup>8</sup> trends indicate that by 2030 up to 60 percent of the global population will live in cities and energy consumption in these urban areas will increase by around a quarter. In the U.S. alone, every year, more than 150,000 buildings are built. While the energy consumption conversation is nothing new, rapidly increasing urbanization across the world today is accelerating the issue and more urgently demanding the creation of a more energy efficient built environment.

"The time to integrate technology in buildings is now."

Allel

Andreas Schierenbeck CFO

ThyssenKrupp Elevator

Elevator and escalator modernization offers the best opportunity our industry has of reducing energy consumption. While manufacturing processes continue to evolve and products become more energy

efficient — right now there are over half a million elevators in operation that are over 20 years old and require up to 10 percent of a building's total energy. By upgrading to state of the art motors, digital controllers and regenerative drives, existing cities have the opportunity to vastly reduce the energy they use.



8 200 In this reporting period, we modernized over 8,200 elevators with more energy-efficient equipment



In late 2012, our Geared to Gearless Modernization System received prestigious awards for innovation, cost savings and performance including the 2012 Product Innovation Award from Architectural Products magazine and Architectural Record named it a "TOP PICK" Record Product.

ThyssenKrupp Elevator offers products and services to assist customers in the sustainable modernization of their buildings. With step-by-step solutions for maximum functionality and energy efficiency, ThyssenKrupp Elevator helps save electricity while meeting the market's increasing demands for user comfort and cost-efficiency. For example, the award-winning geared to gearless modernization system is a cost-effective solution that increases energy efficiency and saves our customers valuable operating expenses. It features a regenerative

Regenerative drives capture the breaking energy, similar to hybrid automobiles, transferring electricity back to the building's electric grid.

drive, which captures waste energy from the system, feeding it back into the building's power grid.

Modernizations using this system resulted in energy savings of...





We constantly and consistently measure and monitor the energy efficiency of our modernization work.

#### 8 Urbanization

The process by which towns and cities are formed and become larger as more and more people begin living and working in central areas.

#### 9 Eco-efficiency

Management philosophy that aims at minimizing ecological damage while maximizing efficiency of the firm's processes, such as through the lesser use of energy, material, and water, more recycling, and ceasing of generating hazardous emissions or by-products.



In 2013, ThyssenKrupp Elevator introduced the VDI 4707 Class A Rated<sup>10</sup>, TAC32T controller and the award winning **endura MRL** elevator.

The TAC32T allows for a 12 percent reduction in the use of standby energy. It is also a SIL (Safety Integrity Level)<sup>11</sup> 3 certified system which provides safe and ultrareliable positioning and speed information.

The **endura MRL** allows builders to maximize building space while keeping construction coordination and costs low. Fewer moving parts and the uncomplicated hydraulic design provide dependable, capable equipment that isn't over engineered for buildings with just a few floors. The product proved an attractive option for sustainability-focused

#### We developed smarter products.

We replaced halogen lighting with a more energy efficient LED lighting, which reduces 75-90% electricity use and produces 75% less heat.



In June 2014, BUILDINGS magazine selected ThyssenKrupp Elevator's endura MRL low-rise elevator as a 2014 Money-Saving Product.



customers because of its reduced electricity use, small lifetime environmental impact and the virtual elimination of the need for petroleum. **endura MRL** represented the first of its kind product to come standard with **enviromax**, the industry's first performance-improving vegetable-based readily biodegradable hydraulic fluid. Additionally, standard are LED lights drastically increased lighting lifespan and are mercury and heat-free.

This product fulfills most environmentally focused requirements by complying with established green guidelines and standards, including: Health Product Declarations, Declare, Cradle to Cradle Material Health, LCA, LCC, VDI 4707, UL CA 01350 and LEED v4.

The endura MRL elevator saves up to \$100,000 on initial building and operating costs over the product's 25-year life. These costs are based on the comparison of three-stop, 2,500-pound capacity hydraulic and traction elevators with the same interiors and settings.

| endura <b>M:L</b>      | Initial Cost<br><b>\$74,000</b> | Building Cost<br><b>\$74,000</b> | Maintenance Cost \$81,586           | Total Cost <b>\$165,856</b>    |
|------------------------|---------------------------------|----------------------------------|-------------------------------------|--------------------------------|
| TRACTION MRL           | Initial Cost<br>\$90,000        | Building Cost<br><b>\$90,000</b> | Maintenance Cost<br>\$173,379       | Total Cost<br><b>\$265,879</b> |
| MACHINE ROOM HYDRAULIC | Initial Cost<br>\$69,000        | Building Cost<br>\$69,000        | Maintenance Cost<br><b>\$91,856</b> | Total Cost <b>\$167,556</b>    |

## **1** VDI 4707 Class A Rated

VDI 4707 Part I deals with assessment and classification of the energy efficiency of elevators. An "A" rating is the best possible rating from the testing standard.

## Safety Integrity Level (SIL)

A relative level of risk-reduction provided by a safety function, or to specify a target level of risk reduction. In simple terms, SIL is a measurement of performance required for a safety instrumented function (SIF).



# We qualify the products we purchase. Evaluating what's inside our products.

The raw materials we incorporate into our products matter. That is why we are working to create a supply chain evaluation and engagement process to automate the procurement of sustainable materials. This responsible management of our procurement activities requires that we carefully take into consideration a set of economic, process-driven and technical criteria as well as essential social and ecological factors such as human rights, labor conditions, anti-corruption concerns and environmental protection.

ThyssenKrupp has also voluntarily adopted the RoHS<sup>12</sup> guidelines in order to create globally streamlined products. These guidelines are followed in order to create more stringent qualifications for our products and bridge the country by country restrictions. The following are also some examples of the initiatives we embedded in our research and development process. These initiatives are addressed in our internal ThyssenKrupp Elevator guidelines of health, safety and environment.

1

Ensure all electric and electronic components in our products are RoHS compliant

2

Request suppliers provide sufficient information to build Health Product Declarations

3

Request suppliers sign ethical codes of conducts

4

Ask our suppliers about their sustainability efforts

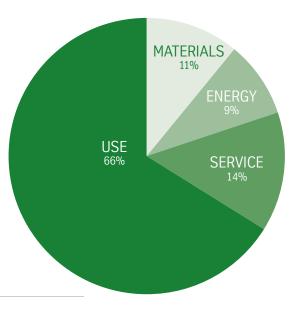


Our Life Cycle Analysis shows the largest environmental impact happens during the use phase of our product's life cycle. This is due to electricity consumption. So we developed an energy calculator<sup>13</sup> tool to assist our customers in managing and identifying opportunities to improve the efficient use of energy during elevator use.

"LCAs provide us a tangible way to measure the environmental footprint within our products and processes and provide specific direction on how we can make our products better for our future."

#### **Brad Nemeth**

Vice President of Sustainability ThyssenKrupp Elevator Americas We help our partners understand their impact on energy use.



#### 1 RoHS

Restriction of Hazardous Substances, also known as Directive 2002/95/EC, restricts the use of specific hazardous materials found in electrical and electronic products.

#### Energy Calculator

Easy-to-use energy calculator that helps evaluate an elevator's energy consumption and costs and compare it against others.



# We use alternative fuel in our service fleet.

During this reporting period, ThyssenKrupp Elevator added hybrid conversion technology as well as propane and natural gas vehicles to our service fleet. Hybrid conversion technology supplied by XL Hybrids, Inc. was added to vehicles, operating in Atlanta, Ga.; Dallas, Texas; and Boston, Mass.

The hybrid drive system reduces fuel consumption through a process called regenerative braking where the electric motor helps to slow the vehicle when the driver brakes, charging the battery. When the driver accelerates, the battery releases the energy to the electric motor, helping propel the vehicle. This system can be attached to existing original equipment manufacturers' (OEM) vehicle powertrains. Therefore

The XL3 Hybrid Drive System adds an electric motor, an advanced lithium ion<sup>13</sup> battery pack, and sophisticated control software to vehicles and delivers a 25% increase in miles driven per-gallon while reducing greenhouse gas emissions.

companies can retrofit their gasoline-run fleets. The technology does not require an outlet to plug-in, so fleet owners do not need special infrastructure.



ThyssenKrupp is also using a service vehicle fueled by compressed natural gas (CNG)<sup>15</sup> at the Denver International Airport. This technology does require infrastructure changes; however, it is ideal for centralized industrial applications such as airports.

CNG is one of the cleanest burning fuels available and resources are not as scarce as traditional fossil fuels. It is also sourced 100% from within the United States.

#### Between 2010 and 2014, ThyssenKrupp Elevator saved...



**45.8** 183,000

gallons of diesel

These reductions were achieved after right sizing to smaller, more fuel-efficient vehicles; improving logistics by implementing efficient route planning and using alternative and less GHG-emitting fuels like propane and natural gas and plug-in electric vehicles.

#### 1 Lithium Ion

A family of rechargeable batteries having high energy density and commonly used in consumer electronics. Unlike the disposable lithium primary battery, a LIB uses intercalated lithium compound instead of metallic lithium as its electrode.

## Compressed Natural Gas (CNG)

Natural gas under pressure which remains clear, odorless, and non-corrosive. Although vehicles can use natural gas as either a liquid or a gas, most vehicles use the gaseous formcompressed to pressures above 3,100 pounds per square inch.

# IMPACT

# We provide green building education to our employees and customers.

We partner with the U.S. Green Building Council (USGBC)<sup>16</sup> to promote green building practices. During this period, our 200th employee received their accreditation as a LEED Green Associate<sup>17</sup>. It is important our corporate executives and sales representatives understand how elevators apply to the LEED rating system so our customers can also achieve the best results with their projects.

ThyssenKrupp supports the stringent green building visionary programs of the International Living Future Institute (ILFI)<sup>18</sup>. Our participation in their ambassador program expands and educates our employees and clients on the most innovative and advanced sustainability practices used in buildings. We are committed to providing greener elevators to our clients and helping them in their efforts to obtain green building certifications.



"Green building certifications such as LEED and Living Building Challenge help us prove our dedication to better building products to our customers."

Monica Miller, LEED AP BD+C, O+M

Sustainable Design Manager ThyssenKrupp Elevator Americas

#### 1 USGBC

A private 501(c)3 membership-based non-profit organization that promotes sustainability in how buildings are designed, built, and operated.

### LEED Green Associate

LEED Green
Associates have a
documented, up-todate understanding of
the most current green
building principles
and practices and are
committed to their
professional future.

#### International Living Future Institute (ILFI)

Administers the Living Building Challenge $^{TM}$ , the built environment's most rigorous and ambitious performance standard.

1,226

architects logged on to Arch Record's website and took our Elevators, Sustainability and LEED course 100

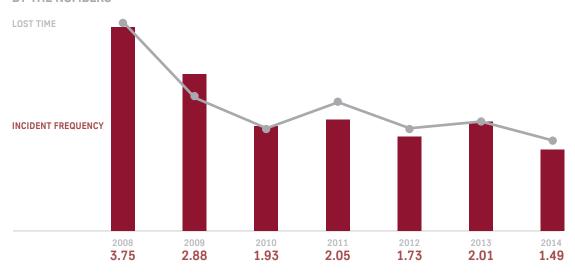
accredited LEED professionals across various lines of business and roles within the organization (in February 2013)



#### We safety-train our employees.

Safety is our top priority at ThyssenKrupp Elevator. To that end, sustaining a healthy company means sustaining the health and safety of employees. Good health and safety performance, for us, is not random; it is the result of consequent and systematic action. Guidance for a systematic approach worldwide is provided by a health and safety handbook, an integral part of our corporate initiative — "zero accidents" — that comprises all worldwide actions regarding health and safety.

#### BY THE NUMBERS

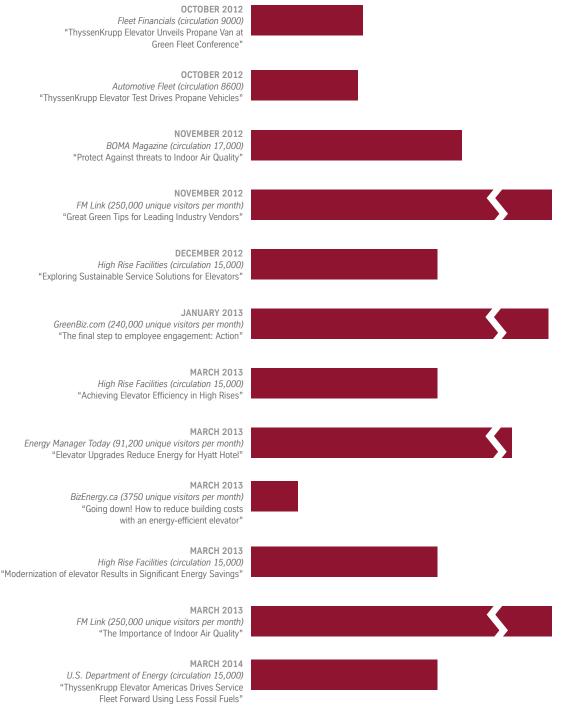


This equates to more than 146,000 hours of safety training completed each year. We know that employee engagement leads to positive results.



# We share our expertise so our business community can be more sustainable.

At ThyssenKrupp Elevator we believe in partnership. We offer our courses for LEED specific continuing education<sup>19</sup> so our customer can learn about the attributes of sustainable building products. Our sales teams make presentations to architects and designers. We also offer courses on our website, and we invest in a sponsorship with a publishing company that targets architects and designers to promote the courses we prepare. Additionally, we place bylines, editorial content and advertorial in trade publications about energy saving options for their existing equipment in order to inform their readers. These trade publications target property managers and engineers, architects and the sustainability community.



#### LEED Continuing Education

Continuing education, or "CE," hours are the hours LEED professionals spend in credential maintenance activities. CE hours are calculated differently depending on the activity.



# We respect shareholder interests, openness and transparency of corporate communications.

The term corporate governance stands for responsible corporate management of the executive and supervisory boards and fostering respect for shareholder interests, openness and transparency of corporate communications which are all key aspects of good corporate governance.

At ThyssenKrupp good corporate governance is an issue which embraces all areas of the Group. It promotes the trust of investors, financial markets, business partners, employees and the general public and is essential to the Company's sustainable success. The executive supervisory boards regard it as their duty to secure the company's continued existence and sustainable value creation through responsible corporate governance focused on the long term.

The executive supervisory boards work closely together in the interest of the company. An intensive, continuous dialogue between the two boards is the basis for efficient corporate management. We have enhanced and intensified this dialogue step-by-step and in accordance with national and international standards.

Corporate governance at ThyssenKrupp is based on the German Corporate Governance Code<sup>20</sup>, as published by the Government Commission on February 26, 2002 and amended most recently on June 24, 2014. ThyssenKrupp complies with all recommendations of the Code as amended on June 24, 2014. The Code is a recognized standard for good corporate governance at German exchange-listed companies. The Executive Board and Supervisory Board of ThyssenKrupp AG issued a declaration of conformity in accordance with Art. 161 AktG.

### German Corporate Governance Code

Presents essential statutory regulations for the management and supervision of German listed companies and contains internationally and nationally recognized standards for good and responsible governance. The Code aims at making the German Corporate Governance system transparent and understandable.



#### **About this annual report:**

ThyssenKrupp Elevator publishes a biennial summary sustainability report to communicate our efforts prioritizing sustainability in our strategies, policies and business practices.

This report is focused on environmental sustainability. To review ThyssenKrupp Elevator's economic impact, download **ThyssenKrupp AG's Annual Report**.























#### ${\bf Thyssen Krupp\ Elevator}$

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