

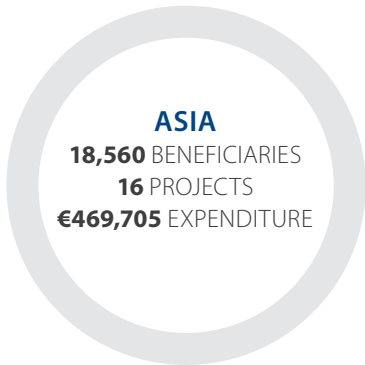
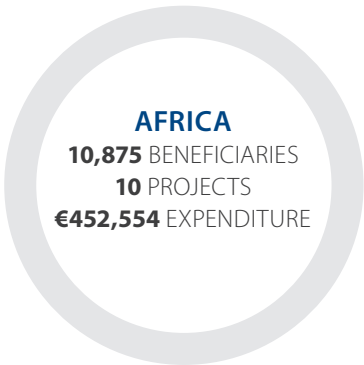
# SHAPING FUTURES

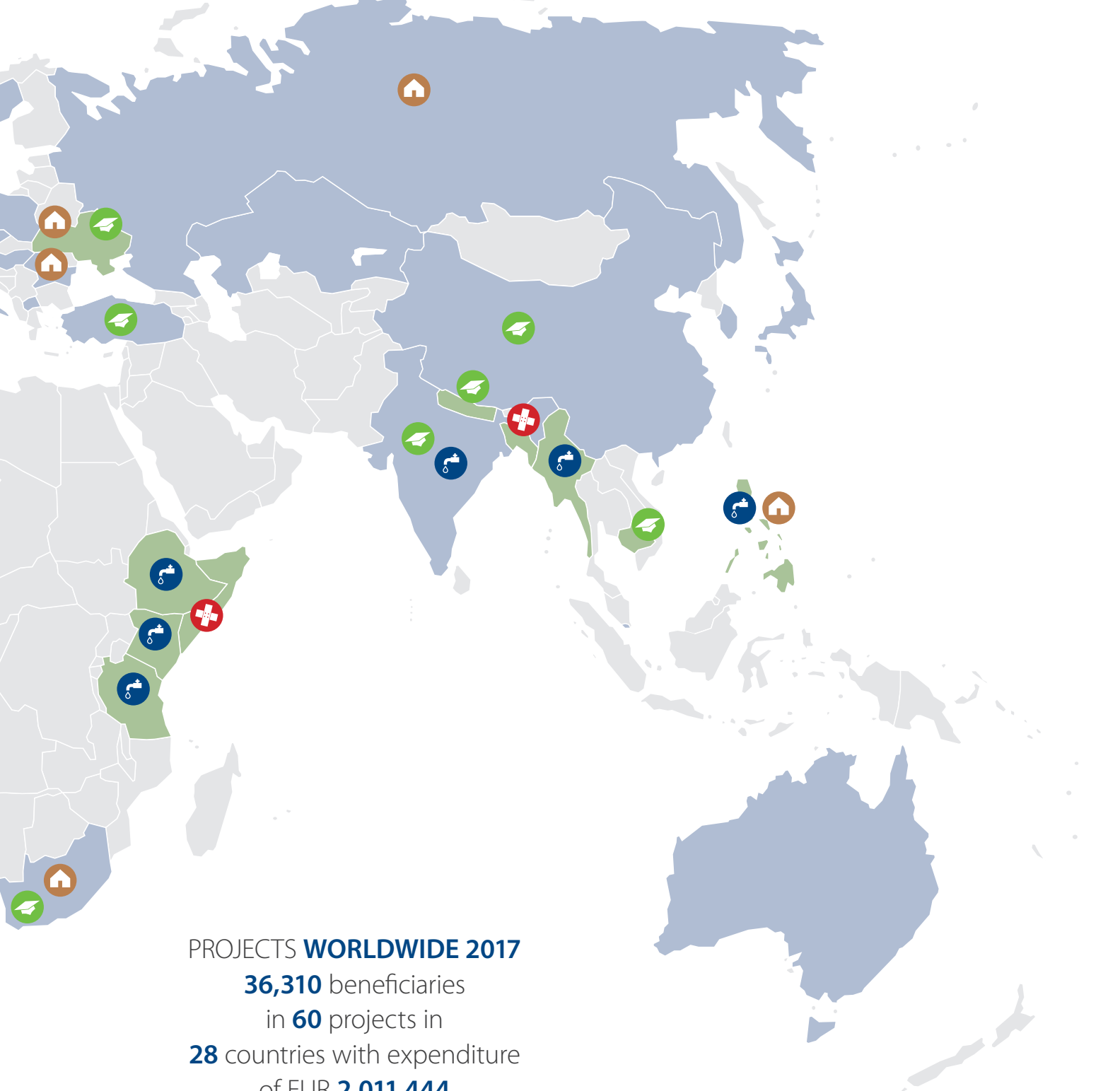
Annual Report 2017

**KNORR-BREMSE**



*global care*





**EUROPE**  
**0** BENEFICIARIES  
**0** PROJECTS  
**0** EXPENDITURE

**AMERICAS**  
**5,525** BENEFICIARIES  
**14** PROJECTS  
**€701,809** EXPENDITURE

Since 2016 Knorr-Bremse Global Care has focused its project funding on countries where the company already has sites (blue), as well as a further 10 countries (green). This map also identifies other countries where emergency aid was provided or projects were completed prior 2017.

## At a Glance

KNORR-BREMSE GLOBAL CARE		2012	2013	2014	2015	2016	2017
Total expenditure including other costs	TEUR	1,609	1,849	1,801	2,071	1,923	2,011
Number of beneficiaries	thousands	52	88	117	121	52	36
Number of projects supported		46	51	50	59	63	60
Education	TEUR	214	442	533	679	928	1,172
WASH*	TEUR					291	303
Social infrastructure	TEUR	1,287	1,123	982	1,102	475	318
Emergency aid	TEUR	64	230	274	276	200	203
Africa	TEUR	643	930	645	489	735	453
Asia	TEUR	208	488	561	712	341	470
Europe	TEUR	468	258	253	506	378	372
Americas	TEUR	246	119	330	350	440	702

\*Prior to 2016, projects concerning WASH were counted as part of the 'Social Infrastructure' category.

## Company Profile

- Knorr-Bremse is the leading manufacturer of braking systems and supplier of additional sub-systems for rail and commercial vehicles, with sales totaling over EUR 6 billion in 2017. In 30 countries, some 28,000 employees develop, manufacture, and service braking, entrance, control, and energy supply systems, HVAC and driver assistance systems, as well as steering systems, and powertrain and transmission control solutions. As a technology leader, through its products the company has been making a decisive contribution to greater safety by road and rail since 1905.



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# AN INTERVIEW WITH JULIA THIELE-SCHÜRHOFF

Chair of the Executive Board of Knorr-Bremse Global Care

**Knorr-Bremse Global Care, the charitable organization funded by Knorr-Bremse, has been around since 2005. What are your most important lessons and insights?**

We have learned a lot since we decided, 13 years ago, to do something about raising funds for social causes and working with aid organizations to improve the lives of people in need. Although we have already achieved a considerable amount – in 2017 alone we were able to donate over EUR 2 million and help at least 36,000 people – the most important lesson we have learned is not to rest on our laurels, but to keep striving to develop further. Over the years, we have increasingly adopted a holistic approach to our projects and have developed a regional and thematic focus. Above all, we now concentrate on education and WASH (water, sanitation and hygiene). We want to have a maximum impact – and also to be able to measure it.

**You now invest the majority of your funding in projects and programs located in countries with Knorr-Bremse sites. What are the reasons behind this decision?**

For the Knorr-Bremse Group and for Knorr-Bremse Global Care, community projects are not just a responsibility, but also an opportunity to create added value, both for the beneficiaries and for our employees – and therefore for the company as well. The money invested in our social projects is generated by Knorr-Bremse employees, so some of it at least should remain in Knorr-Bremse regions. The advantage for Knorr-Bremse and its employees is that it boosts identification with the company and engenders loyalty. In Mexico, for instance, Global Care helped set up a training program for disadvantaged young people. This program is now an integral part of the site's activities and is financed from the company's own funds.

By involving Knorr-Bremse employees, the organization is also more in touch with local needs and we benefit from reliable support on the ground. For this reason, we plan to launch a pilot project in 2018 to anchor Global Care more firmly in Knorr-Bremse's North America and Asia Pacific regions. The aim is for the Knorr-Bremse sites to have their own funds with which they can address local social challenges in a more targeted and independent manner.

**You also support initiatives in selected countries where Knorr-Bremse is not active.**

This is something dear to our hearts. Our Global Care organization was set up following the devastating tsunami in South-East Asia so that we could help the victims directly. Our first projects were therefore in countries without Knorr-Bremse sites. Over the years, we have built trust-based partnerships with large numbers of organizations and beneficiaries in these countries. We also want to provide sustainable support to people who need it – and assistance is needed most in developing countries.

**Finally, a personal question: What aspect of your work touches you the most?**

Without a doubt, it's the direct, personal contact with the people we support. Seeing how many people have to struggle for their very existence, for the safety, health and education of their children, motivates me to do something, to do my bit to help improve their situation. At the same time, visiting our projects makes me realize how lucky we are and how thankful we can be. I have great respect for the strength of those affected and their determination to improve their circumstances. ■



# WHO WE ARE

Knorr-Bremse Global Care was set up as a charitable organization a few days after the tsunami disaster on December 26, 2004 in South-East Asia, with the aim of providing targeted, effective help to the victims. Following the successful completion of the first selected relief projects, Knorr-Bremse Global Care steadily expanded and professionalized its global activities.



## OUR ORGANIZATION

The organization is mainly funded by the Knorr-Bremse Group and from individual staff donations, and lives from the involvement of its members and Group employees. We see ourselves as a learning organization that is determined to respond as best it can to social challenges by adopting appropriate strategies and activities. An entrepreneurial approach, a focus on maximum impact, and resolute action are important principles underpinning the work of Knorr-Bremse Global Care.

The members come together every six weeks to discuss current projects, applications for funding and internal matters. Three staff members are responsible for the day-to-day running of the organization.



## MEMBERS OF THE ORGANIZATION

*(from left)*

Alexandra Rappl, Nadia Thiele,  
Christoph Günter, Julia Thiele-Schürhoff,  
Eva Seifert, Mario Beinert,  
Dr. Sigurd Dahrendorf

## THE TEAM

Sylvia Bytow-Weißheimer,  
Patrick Ruppenthal,  
Thomas Steiner

# WHAT WE WANT TO ACHIEVE

## THE VISION EMBRACED BY KNORR-BREMSE GLOBAL CARE INVOLVES TWO ELEMENTS

Providing help and imbuing enthusiasm in helpers. People who are in need through no fault of their own, should be given a chance to take on responsibility for determining their own lives. Knorr-Bremse Global Care always operates on the principle of strengthening people's independence and responsibility for themselves and to align impact-oriented projects and programs.

In addition Knorr-Bremse Global Care aims to raise awareness among Knorr-Bremse employees of the need for greater social involvement and encourage them to become active themselves. Involvement of Knorr-Bremse sites and their employees all over the world is therefore a central objective and at the same time one of Knorr-Bremse Global Care's strengths. This intensive international collaboration releases forces and enables the organization to plan, manage and impact oriented projects at local level.

"Together with Knorr-Bremse employees we open up new prospects **for people in need** – both in the vicinity of company sites and elsewhere in the world."



# WHAT DEFINES US

## REGIONAL AND SUBSTANTIVE FOCUS

Since 2016, the project work of Knorr-Bremse Global Care has focused largely on countries in which the Group operates sites. In addition, the organization funds development projects in ten further states (Ethiopia, Ghana, Cambodia, Kenya, Colombia, Myanmar, Peru, Sri Lanka, Tanzania, Ukraine) in which it has been active for several years. In line with the UN Sustainable Development Goals 4 and 6, Knorr-Bremse Global Care focusses on two particular areas: education and WASH (Water, Sanitation and Hygiene).

Access to education is a human right. Our organization considers the promotion of projects in this area as an indispensable investment in the future of children and teenagers. Again WASH is a fundamental precondition for many areas of life. This core issue is derived from the urgent need for clean drinking water and improved sanitation around the world. In individual cases the organization also supports emergency aid in the wake of disasters, including in regions that are not listed amongst the focus countries.

## SUCCESS FACTORS AND IMPACT ORIENTATION

Knorr-Bremse Global Care is a charitable organization funded by the Knorr-Bremse Group and sees its role as being that of a professional partner for the funding of development projects all over the world. It relies on close cooperation with local partner organizations that are responsible for efficient, impact-oriented implementation and documentation of the projects at local level. For every project we set joint goals in order to achieve as positive a result as possible – both for the target group and, ideally, for the society as well. We invest our expertise, energy and resources in projects and programs that aim to improve people's lives.

Project sponsors monitor progress, and this is a task that can be taken on not only by members of the organization but also by Knorr-Bremse staff. Thus, for example, large numbers of participants in a Group-wide program for young trainees have become involved in the work. A combination of our partners' experience, efficient project management and monitoring, and close supervision of projects are important factors for ensuring success, and enable our joint activities to have a lasting and beneficial impact. This approach is what differentiates Knorr-Bremse Global Care from many other aid organizations.

## SUPPORT PRINCIPLES

Knorr-Bremse Global Care's central aim is to promote the independence and self-determination of disadvantaged people and to ensure the effectiveness of its projects and programs. Only this type of support can result in far-reaching structural change, open up new prospects for the people concerned and have a lasting impact on their lives. Knorr-Bremse Global Care primarily supports communities and groups and does not work with individuals requiring support. You can find details of all the principles involved, the application form and further information on project selection criteria at [www.global-care.eu](http://www.global-care.eu).

EDUCATION



WASH



SOCIAL INFRASTRUCTURE



EMERGENCY AID





# HIGHLIGHTS OF 2017

## MARCH

Knorr-Bremse employee Matthäus Englbrecht takes part in the Global Care quiz at the **Knorr-Bremse World Meetings 2017** and answers all the questions correctly. His prize: EUR 10,000 to spend on charitable projects. He splits the money equally between Klinikclowns Bayern, a charity that sends clowns into hospitals, and Bananenflanke Landshut, a football project for disabled and socially disadvantaged children.



## MAY

At the Knorr-Bremse site in Itupeva, Brazil, colleagues offer young people from low-income families a practical training program financed by Knorr-Bremse Global Care. The **third intake of Tech+** started in May 2017.



## JANUARY



## APRIL

The widespread **famine in Somalia** triggers an amazing response of solidarity at Knorr-Bremse. Staff donations and a donation from Knorr-Bremse Global Care raise a total of EUR 94,100 for emergency relief measures organized by World Vision Germany.



## JUNE

EUR 8,775 for the victims of the famine in Somalia! This is the amount raised by Knorr-Bremse staff in Munich during a **WasserMarsch** ("water march") on Knorr-Bremse Value Day. They complete an astounding 1,755 circuits – each one generating a donation of EUR 5. An amazing result!

## JUNE

Award for Knorr-Bremse Global Care. Nadia Thiele accepts the scepter of honor of the city of Krakow, awarded to the organization for its work in **improving the pediatric department** of the local Zeromski Hospital.



## SEPTEMBER

**Official inauguration** in Port Elisabeth, South Africa. The Changemaker Academy is complete. More than 450 children from Walmer Township can learn here in peace and develop their artistic and creative potential. A milestone for the local Masifunde organization and Knorr-Bremse Global Care.



## DECEMBER



## JULY

The children of the CABUWAZI youth circus in Berlin's Marzahn district are jumping for joy! The metal-framed hall financed by Knorr-Bremse Global Care is officially inaugurated. The **circus teaching program** finally has a new home.



## OCTOBER

Community work in Munich: together with the Dein München association, Knorr-Bremse Global Care helps **young secondary school pupils** in the vicinity of the Knorr-Bremse headquarters in Moosach. Workshops unlock potential, open up opportunities and give the young people ideas of what they can do when they finish school.



# INVOLVEMENT IN COUNTRIES WITH KNORR-BREMSE SITES

Funding for Knorr-Bremse Global Care's development projects is generated by Knorr-Bremse employees. People in need benefit from an annual donation from both divisions of Knorr-Bremse AG – Rail Vehicle Systems and Commercial Vehicle Systems. This is why the main part of this funding goes to countries where the Company has a site and can ensure the provision of long-term, impact-oriented aid. Everyone involved benefits from the possibility of involving Knorr-Bremse employees in projects that take place in the vicinity of the Company's sites. In these countries we also focus mainly on our education and WASH goals, thereby helping support the UN's Sustainable Development Goals.



EDUCATION



WASH



SOCIAL INFRASTRUCTURE



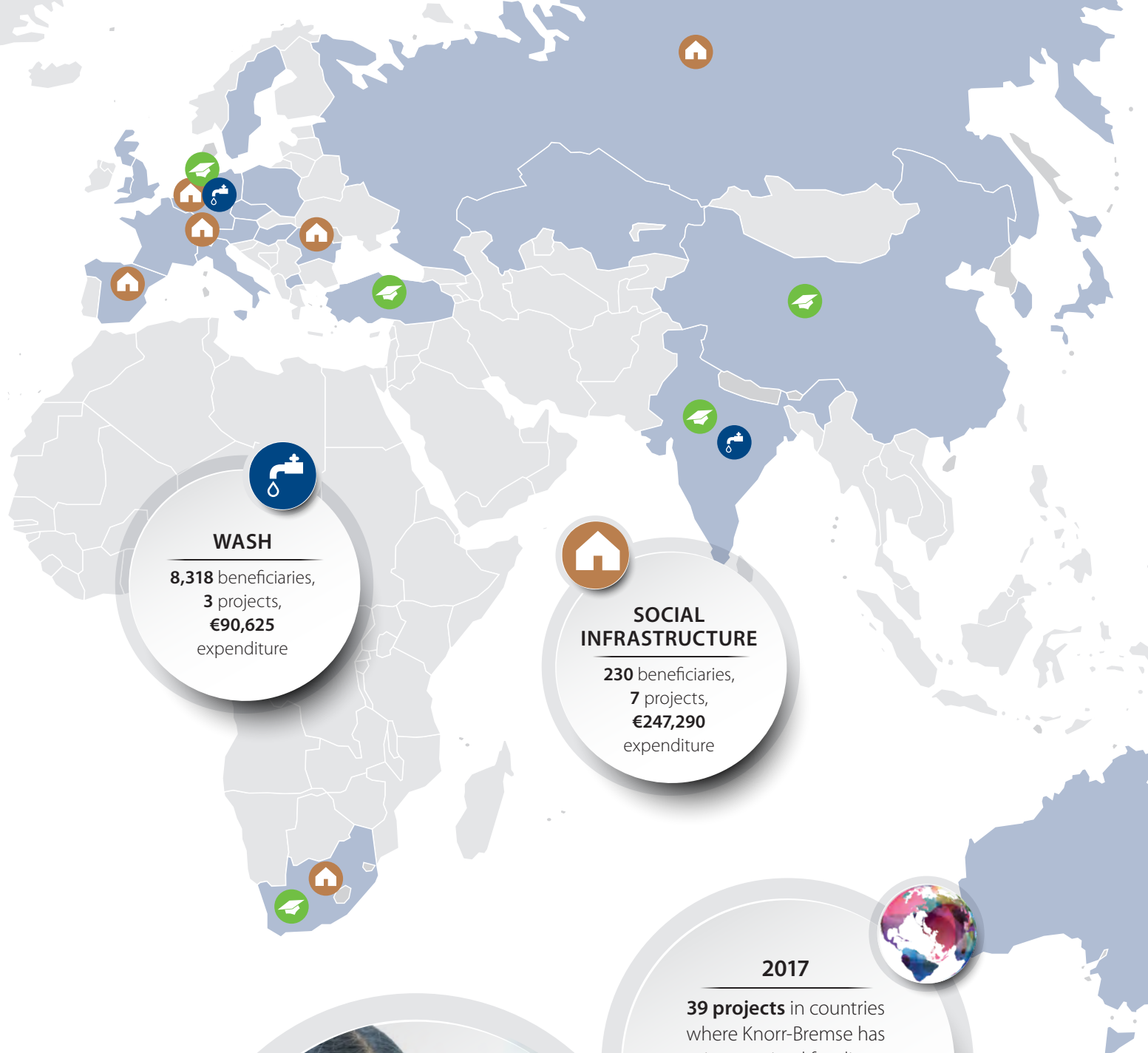
KNORR-BREMSE LOCATION COUNTRIES



## EDUCATION

**2,654** beneficiaries,  
**29** projects,  
**€1,011,396**  
expenditure







## BRAZIL: SEWING FOR INDEPENDENCE

Fundamental human needs include earning a living and creating good living conditions for your children: a roof over your head, enough to eat, clothes, and education for better prospects. In Parelheiros, a neighborhood in the south of São Paulo, Brazil, none of this is a given. Parelheiros is one of the poorest and least developed parts of the city and is marred by violence. It also has a high number of teenage pregnancies. There are hardly any jobs. In most families in Parelheiros, it is the women who are the breadwinners because the men are often unemployed or take no responsibility for the children.

ProBrasil and Knorr-Bremse Global Care decided to support these women and set up a joint project called “Oficina de Costura Álamos” (Álamos sewing workshop). The collaboration began two years ago. A ProBrasil building that was already being used for various art workshops and activities was converted to include a fully equipped training workshop for seamstresses.

Since 2015, the three-year project has trained 75 seamstresses. Twice a week they come here to thread needles,

sew, cut fabric, create models, fit garments and do everything else involved in a comprehensive training course. At the end of the course they receive an official certificate, which improves their job prospects. In addition, an organization called Sebrae teaches the women the key basics of running a business. Sebrae promotes the development of small businesses. With what they learn here, the women can set up their own small businesses and become self-employed.

As well as sewing classes, the center is offering the women courses in basic literacy and mathematics, with the help of two volunteer teachers from the local community. This also increases the women's sense of self-worth – something the teachers are keen to support.

The figures speak for themselves: 26 of the 75 women who have taken part in the sewing course were already earning money before the end of the course. The project will end with the 2018 cohort. They plan to present their own clothing collection this October. One thing is certain: fashion from Parelheiros will come to symbolize independent women.

AT A GLANCE	
PROJECT LOCATION	São Paulo, Brazil
BENEFICIARIES	75 unemployed women who are training to be seamstresses
BUDGETED COSTS	EUR 35,500
GLOBAL CARE PROJECT SUPERVISOR	Julia Thiele-Schürhoff
PARTNER ORGANIZATIONS	ProBrasil e. V., Knorr-Bremse Global Care Brazil, Associação ProBrasil
LOCAL COORDINATORS	Uwe Weibrecht, Associação ProBrasil; Knorr-Bremse Global Care Brazil, Vanessa Gama
DURATION	July 2015 – July 2018







EDUCATION

## BRAZIL

"With the sewing training I can finally earn enough money to support my grandchildren and buy them little presents."







EDUCATION

## SOUTH AFRICA

"I really work hard in school and try to be a good example to my friends and siblings. Being part of the training center helps me to stay true to myself and to focus on what is important to me and my community."

## SOUTH AFRICA: LEARNING FOR A BETTER FUTURE

It is one of the biggest investments in the history of Knorr-Bremse Global Care: a new building for around 450 school-children built in conjunction with Knorr-Bremse South Africa for a local educational institution. The building is in Port Elizabeth, South Africa.

Walmer Township is one of the poorest neighborhoods in Port Elizabeth. Over 26,000 people live here, most of them in makeshift homes made from corrugated iron. The crime rate is high and education standards are low. This was already the case back in 1998, when Jonas Schumacher first registered the lack of access to education in Walmer Township. At the time, the 19-year-old from the Frankfurt am Main area was working with children and young people in the township as part of his alternative civilian service. In 2004, Schumacher set up an association called "Masifunde", which means "Let us learn" in isiXhosa, one of the languages spoken in South Africa. Today, Masifunde offers a broad range of courses and is a reliable partner for the township's schools. Knorr-Bremse Global Care has been working with Masifunde since 2008. After initial purchases, including a minibus and equipment for a library, both organizations developed a desire to work on a major project together in order to make a real difference. Thus the idea of an education center was born. The new Masifunde education center in the middle of Walmer Township was inaugurated in September 2017. At the grand opening

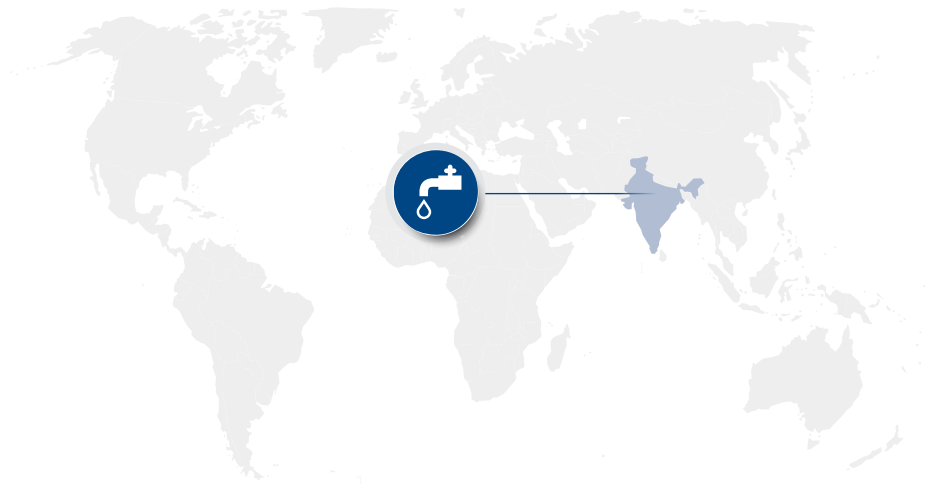
ceremony, the pupils presented their Masifunde programs to the assembled guests, including several local politicians. Around 450 students can now take a number of different courses here in a friendly atmosphere. They can study school subjects, expand their talents in the drama group or choir, or learn drawing or programming skills. The cafeteria, which is also a safe meeting place for young people, serves only healthy food. The computer room is equipped with 37 computers, and the art room is also used by children from the local primary school. Private coaching takes place in a large multifunction room, and there is a big hall that is ideal for exams and the shows put on by the drama group and choir. The various activities demonstrate the wide range of courses now on offer at Masifunde.

The education center guarantees a secure base for Masifunde for the coming years. The new premises also provide enough space to allow more children to take part in Masifunde activities.

The Masifunde center fits in very well with Knorr-Bremse Global Care's holistic approach – after training, the young change-makers from Walmer Township can help other children in their community to improve their skills, education and job prospects, which means they are bringing about a real change in society.

AT A GLANCE	
PROJECT LOCATION	Port Elizabeth, South Africa
BENEFICIARIES	450 pupils
BUDGETED COSTS	EUR 450,000
GLOBAL CARE PROJECT SUPERVISORS	Dr. Sigurd Dahrendorf
PARTNER ORGANIZATIONS	Masifunde Learner Development, Port Elizabeth, Ukhamba Lezwe Trust, Johannesburg
LOCAL COORDINATORS	Jonas Schumacher, Masifunde; Paul Springorum, Ukhamba Lezwe Trust
DURATION	September 2013 – September 2017





# INDIA: ACCESS TO WATER FOR DROUGHT-STRICKEN VILLAGES

Maharashtra State in central India is a place of contrasts: It is home to the commercial hubs of Mumbai and Pune, but also to 70 million small-scale farmers, who are dependent on regular rainfall for their subsistence.

The rural population was particularly hard hit by the drought of summer 2016 – one of the worst for decades. Around 330 million people were affected across India. In addition to low levels of rainfall in previous rainy seasons, the problem was exacerbated by inadequate water policies and the misuse of groundwater resources. Many small-scale farmers lost harvests and became dependent on aid deliveries. Knorr-Bremse Global Care decided to focus on a medium-term solution. The plan was to develop a sustainable water supply in the four worst-hit villages in the area around the city of Miraj, which is about a five-hour drive from the Knorr-Bremse site in Pune.

To start with, World Vision, a long-term partner of Knorr-Bremse Global Care, met the villagers' basic needs by installing drinking water treatment plants in each of the four villages. This gave 1,370 families access to clean water. At the time of writing, this alone has given 650 children the chance

of a healthier childhood by reducing the risk of diseases being spread through contaminated water. The "gram panchayat", a kind of village council, plays a vital role in the plants' sustainable management. It was the gram panchayats that provided the village land for the plants and took on the installation work. In future, they will also deal with any repairs.

In addition, 100 small-scale farming families received a drip-irrigation system for some of their fields in return for a small financial contribution. Indian experts trained the farmers in the best way to irrigate crops planted in rotation. Five new self-help groups give the farmers the opportunity to pass on their knowledge and help one another with maintenance tasks. These measures enable the farmers to enjoy bigger harvests and a more balanced diet, but also to generate additional income that can be used for medical treatment or school expenses. Nandkumar is a farmer who has benefitted from the irrigation system. His 17-year-old son, Nishant, is delighted with the extra income from selling vegetables and flowers at the market: "Now I can complete my school studies and become an engineer!"

AT A GLANCE	
PROJECT LOCATION	Miraj, Sangli District, Maharashtra, India
BENEFICIARIES	8,313 people will gain access to clean water and/or agricultural support for small-scale farmers
BUDGETED COSTS	EUR 74,050 for drinking water treatment plants, irrigation systems and training
GLOBAL CARE PROJECT SUPERVISOR	Julia Thiele-Schürhoff
PARTNER ORGANIZATION	World Vision Deutschland e.V.
LOCAL COORDINATOR	World Vision India
DURATION	March 2017 – March 2018





WASH

## INDIA

"I have a girl and leaving her alone at home for fetching water from a faraway location was a problem. Now this hand pump has reduced the burden of travelling long distances for water, I have more time to spend with my daughter and take care of her."



# INVOLVEMENT IN ADDITIONAL PROJECT COUNTRIES

Since it was first set up in 2005, Knorr-Bremse Global Care has been involved in countries with Knorr-Bremse sites but also in some without any links with the Company but which have a particularly urgent need for development support. In the last two years, in a bid to ensure more targeted use of our funding and increase the impact of our work, we have concentrated our support on ten countries that do not have any Knorr-Bremse facilities: Ethiopia, Ghana, Cambodia, Kenya, Colombia, Myanmar, Peru, Sri Lanka, Tanzania and Ukraine.

Our work in these countries usually involves close, long-term collaboration with local aid organizations and beneficiaries. Here, too, we focus on goals in two areas: education and WASH, with the aim of contributing towards achievement of the UN's Sustainable Development Goals.



EDUCATION



WASH



SOCIAL INFRASTRUCTURE



EMERGENCY AID

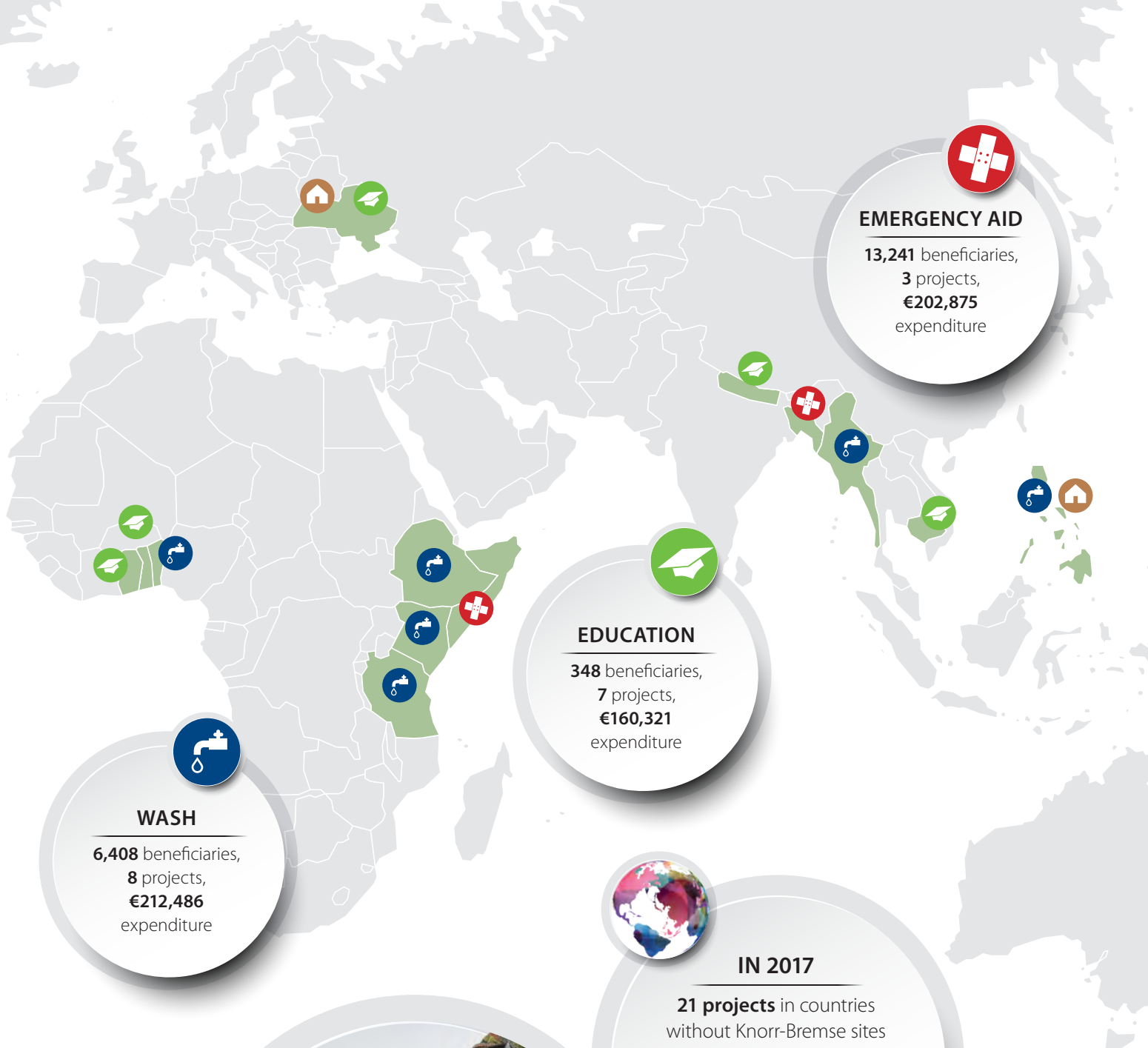


ADDITIONAL PROJECT COUNTRIES



## SOCIAL INFRASTRUCTURE

5,111 beneficiaries,  
3 projects,  
€71,000  
expenditure



**EMERGENCY AID**

13,241 beneficiaries,  
3 projects,  
€202,875  
expenditure



**EDUCATION**

348 beneficiaries,  
7 projects,  
€160,321  
expenditure



**WASH**

6,408 beneficiaries,  
8 projects,  
€212,486  
expenditure



**IN 2017**

21 projects in countries  
without Knorr-Bremse sites  
received funding  
amounting to a total of  
**€646,682**, benefiting  
**25,108 people.**





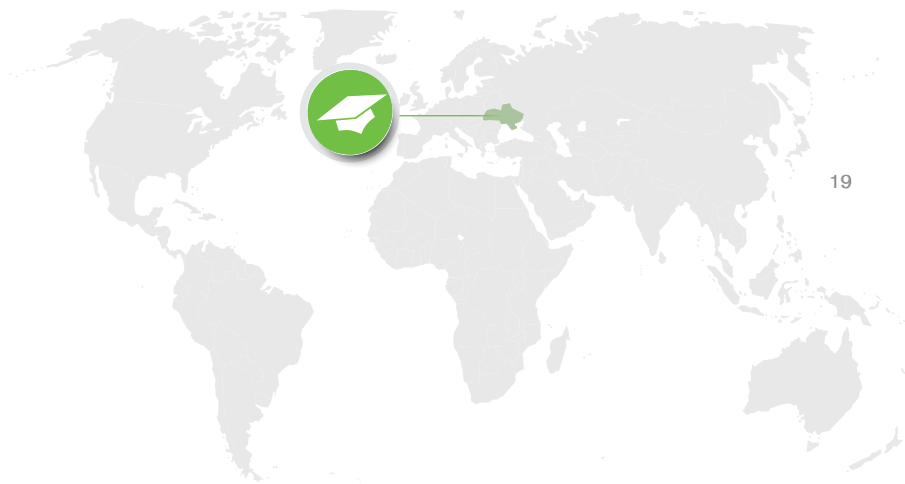


EDUCATION

## UKRAINE

"Training as a cook isn't just great fun – it also gives me a chance to get a good job with a regular income!"





# UKRAINE: PROFESSIONAL TRAINING FOR HOTEL AND RESTAURANT STAFF

Ukraine is currently associated in many people's minds with the fighting in the east of the country. The war is affecting large numbers of families and is a subject of discussion wherever you go, but not all parts of the country are involved in the fighting. In Lviv, formerly Lemberg, in the far west of Ukraine, life is peaceful. Here the problems include high rents, few job opportunities – even for graduates – and a shortage of skilled workers in certain areas.

In Lviv, Knorr-Bremse Global Care has been working for years with Don Bosco Mondo and the associated Catholic order, the Salesians of Don Bosco. Their first joint project, in 2014, involved refurbishing a residential building for orphans and apprentices. Since then, the partnership has intensified, building on the training experience of the Salesians of Don Bosco, who have been offering officially recognized courses for secretarial work, carpentry and sewing at their occupational training center since 2003. The courses finish with an internship in a company.

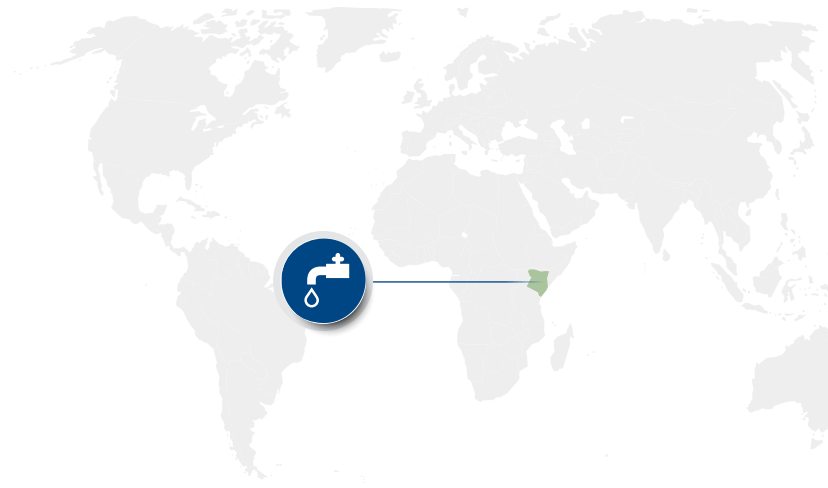
In 2015, the Salesians of Don Bosco developed a new training course in the field of gastronomy, which Knorr-Bremse Global Care has been supporting ever since. Their new training course is a response to the many new food outlets that have opened in Lviv as tourism has increased. As well as supporting the courses, Knorr-Bremse Global Care

financed the equipment for the teaching kitchen. A colleague from the German Senior Expert Service, an organization that sends volunteer experts to work abroad, helped install the equipment when he was in the country.

The Salesians of Don Bosco offer training courses for young women and men who want to be chefs, restaurant specialists and barkeepers. The courses are aimed at school leavers aged between 17 and 19, but also students who want to learn the basics on short courses. Over 240 young people and students have already taken the courses, and demand is extremely high.

The practical elements of the course are very important. The young people work in the training center cafeteria as chefs and waiting staff, and deliver lunch to employees in a nearby firm. Dealing with customers gives the young people a chance to experience directly the usefulness of their training. The course leaders have also added specialisms and expanded the course options. 'Master courses' give the trainees a chance to do temporary work in local companies. This lets them specialize in a particular type of international cuisine or in confectionery. Tip for gourmets: Ukraine could soon boast a new generation of successful chefs and its own gourmet cuisine.

	AT A GLANCE
<b>PROJECT LOCATION</b>	Lviv, Ukraine
<b>BENEFICIARIES</b>	242 apprentice chefs, restaurant specialists and bar personnel
<b>BUDGETED COSTS</b>	EUR 113,130
<b>GLOBAL CARE PROJECT SUPERVISOR</b>	Nadia Thiele
<b>PARTNER ORGANIZATIONS</b>	Don Bosco Mondo e. V., Salesians of Don Bosco, Lviv
<b>LOCAL COORDINATORS</b>	Father Yuri Smakous, Salesians of Don Bosco, Lviv; Kathrin Drews, Don Bosco Mondo e. V.
<b>DURATION</b>	July 2015 – April 2018



## KENYA: WATER SECURES FOOD SUPPLY

Climate change is affecting more and more people around the world. In Kenya, small-scale farmers and families in the counties of Machakos, Makueni and Kitui are among those suffering the impact: The region is struggling with dramatic fluctuations in rainfall and frequent periods of drought, which restrict agricultural production and lead to food and water insecurity. Nearly 40 per cent of people living in these areas are undernourished. Women and children in particular are severely affected. Knorr-Bremse Global Care and arche noVa joined forces with the African Sand Dam Foundation to tackle the problem.

Their main project involved constructing sand dams in dry riverbeds. The project team carried out the work in close cooperation with local authorities and the local population. During the rainy season, the water collects behind the dams and the sand and sediment it carries accumulates there.

This sand layer then stores and filters the water. Since only a small proportion of the water is held behind a dam and a large proportion flows on past it, several dams can be built in one riverbed. This means that even people living downstream from the dam can benefit from the method. The dammed water also raises the groundwater table. Hand pump wells are installed near the sand dams so that local people can use the water for their own personal requirements or for farming.

Maintaining and repairing the dams and wells is important. Self-help groups have been set up and receive instruction and training in this area. In addition, the farmers are offered courses where they can learn about new cultivation methods that increase production and crop yields. Over 5,000 people are benefiting from the project, which will enable them to live more independent lives in the future.

AT A GLANCE	
PROJECT LOCATION	Machakos, Makueni and Kitui counties, Kenya
BENEFICIARIES	5,228 small-scale farmers and families
BUDGETED COSTS	EUR 64,742
GLOBAL CARE PROJECT SUPERVISOR	Julia Thiele-Schürhoff
PARTNER ORGANIZATIONS	arche noVa e. V., African Sand Dam Foundation (ASDF)
LOCAL COORDINATOR	Cornelius Kyalo Matheka, African Sand Dam Foundation (ASDF)
DURATION	June 2017 – December 2019





WASH

## KENYA

"Since the construction of the sand dam and shallow well, my life has become easy. Now we have access to clean drinking water in our homes, we have also used water from the sand dams in the irrigation of fruit plants at the group farm. The production in my own farm is much better now because I have learnt the importance of terracing and soil conservation."







EDUCATION

## CAMBODIA

"Here in the kindergarten the air is much better than at home on the rubbish tip. There are plants, trees, shade and sun. What I look forward to most is playing with my friends in the water and the food we get for lunch."



# CAMBODIA: KINDERGARTEN IMPROVES ACCESS TO EDUCATION

Every day, around 2,000 tons of waste from Phnom Penh are dumped on the Dangkor municipal landfill site. Day and night, around 200 waste-picker families sift through the piles of rubbish in unbearable working conditions: temperatures of between 30 and 40 degrees Celsius, clouds of dust, smoke and a terrible stench. They sell the scrap to intermediaries because, as waste-pickers, they have no direct access to reception points for recyclable scrap. The sales proceeds are their only source of income to support their families. As they earn little more than one Euro per day, all members of the family, including children, have to work at the site in order to be able to pay for minimum basic necessities.

Knorr-Bremse Global Care wants to give these children the chance to receive an education and experience some normality away from the landfill site, and has been supporting the SOMERSAULT kindergarten in Phnom Penh since 2015. The 35 protégés are picked up every morning, and can use the washing facilities at the kindergarten and eat balanced meals. Up till 4 p.m. they are allowed to be children – to play free from worries and to learn things along the way. COMPED,

the local organization implementing the project, uses a holistic approach to teach basic knowledge about hygiene and nutrition and impart an awareness of the importance of education. “We are trying to encourage the parents to let their children come to the kindergarten regularly,” says Kim Heng, the COMPED project manager. “It can be difficult sometimes, even though they can see for themselves that the children are becoming stronger and healthier, can communicate better and have better social skills. As soon as a special load of rubbish arrives, it’s often more important for the family income to have everyone there to help.”

Some of the older children now go to school, where they struggle with the social stigma – in their dealings with other children and with the school authorities. A care center has been built onto the kindergarten to give the school-children a safe place to go where they can get help with homework and are given schoolbags and uniforms. The access to a good education, the child-friendly environment and improved health are all geared towards one goal: giving the children the ability to break out of the poverty cycle one day.

	AT A GLANCE
PROJECT LOCATION	Phnom Penh, Cambodia
BENEFICIARIES	97 children
BUDGETED COSTS	EUR 70,000 to add a care center to the kindergarten
GLOBAL CARE PROJECT SUPERVISOR	Julia Thiele-Schürhoff
PARTNER ORGANIZATION	Thuringian-Cambodian Association
LOCAL COORDINATOR	Cambodian Education and Waste Management Organization (COMPED)
DURATION	May 2017 – December 2017





## EMERGENCY RELIEF

"The drought took us everything,  
we didn't have enough to eat.  
The food distributions helped us  
to survive and now we can start  
to cultivate our little farm."



# EMERGENCY RELIEF

Supporting emergency relief measures in the wake of disasters has been important to Knorr-Bremse Global Care since the beginning. After all, the organization was first set up following the 2004 tsunami in South-East Asia, in which over 230,000 people lost their lives. Knorr-Bremse Global Care continues to support emergency relief projects, regardless of whether they are located in one of its target countries.

In 2017, emergency relief projects financed by Knorr-Bremse Global Care provided access to aid, food and medical care for more than 13,000 people.

Knorr-Bremse Global Care supported three emergency relief projects in 2017, two of them linked to natural disasters.

In spring 2017, a lack of rainfall led to a dramatic famine spreading across large parts of Africa. 1.4 million children alone were at serious risk of dying from starvation. Knorr-Bremse Global Care supported immediate measures organized by its partner organization World Vision Germany to supply water and food to 530,000 people, including 71,000 undernourished children. It also supported a mobile health clinic. An appeal to Knorr-Bremse employees in Germany, with a pledge to double the amount collected, an additional donation of EUR 70,000 from Knorr-Bremse Global Care, and a staff fundraising campaign at Knorr-Bremse in Munich raised a total of EUR 102,875 for emergency relief measures in Somalia.

Bangladesh, one of the poorest countries in the world, regularly has to deal with natural disasters. In 2017, the country suffered its worst flooding for decades. At the same time, Bangladesh is helping refugees from Myanmar. Knorr-Bremse Global Care therefore decided to donate EUR 50,000 to World Vision Germany for the victims of the flooding and a further EUR 50,000 to Save the Children Germany to help provide for the refugees.

The flooding and landslides in Bangladesh destroyed entire villages. Flooded fields led to lost harvests, wrecking the livelihoods of thousands of small-scale farmers. At the same time, many of the wells in the region had been contaminated, making it hard to access clean drinking water. Among other things, the EUR 50,000 donation is being used to distribute hygiene kits and build new latrines. Around 5,000 people are benefiting.

Another challenge facing Bangladesh is taking in and looking after refugees from Myanmar. Since the end of August 2017, more than 655,000 Rohingya – nearly 60 per cent of them children – have fled across the border to Bangladesh to escape the violence. The refugee camps are overcrowded. People are living in makeshift huts, and many are only protected by tarpaulins. Food, clean water and medicines are scarce, dramatically increasing the risk of diseases spreading, particularly among children. The EUR 50,000 donation provided basic assistance to over 3,000 families. As well as food, water and hygiene articles, people were given building materials to construct simple shelters.

AT A GLANCE	
FINANCED EMERGENCY RELIEF MEASURES	Famine in Somalia, Flooding in Bangladesh, Refugees from Myanmar in Bangladesh
TOTAL PROJECT FUNDING	EUR 102,875
BENEFICIARIES	13,241 people are provided with relief items (blankets, tools, drinking water, food) and medical care
PARTNER ORGANIZATION	World Vision Germany, Save the Children Germany

EMERGENCY AID  
EUR **202,875**

10%

SOCIAL INFRASTRUCTURE  
EUR **318,289**

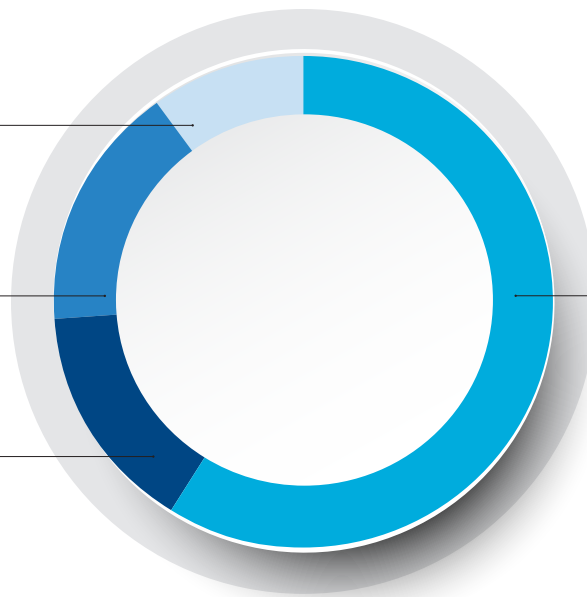
16%

WASH  
EUR **303,110**

15%

EDUCATION  
EUR **1,171,718**

59%



#### EXPENDITURE BY PROJECT TYPE

The biggest proportion of overall project expenditure – 59% – went on funding education projects. This includes, for example, vocational training projects, support for a day nursery, or business training. With its focus since 2015 on education and WASH, the organization is following the UN's sustainable development goals numbers 4 and 6.

- Education
- WASH
- Social infrastructure
- Emergency aid

## Funding and projects

EUROPE  
EUR **371,926**

19%

AFRICA  
EUR **452,554**

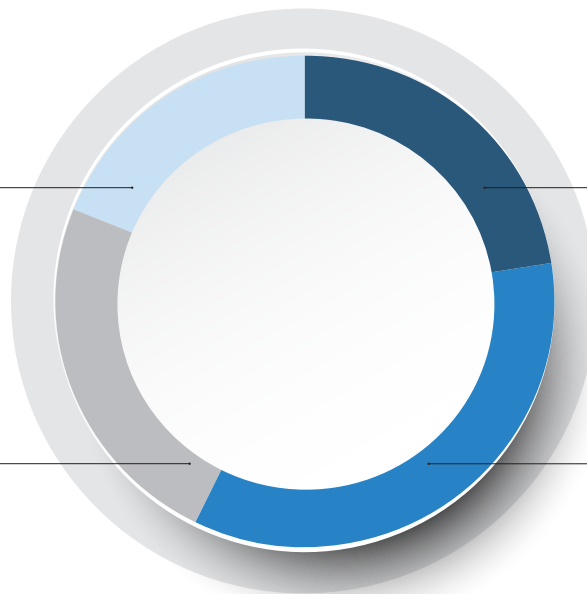
23%

ASIA  
EUR **469,705**

24%

AMERICAS  
EUR **701,809**

35%



#### EXPENDITURE BY REGION

During the year under review, the organization provided most funding for the Americas for the first time in its history. This is mainly due to a large number of education projects in Mexico and Brazil – countries where Knorr-Bremse has manufacturing facilities.

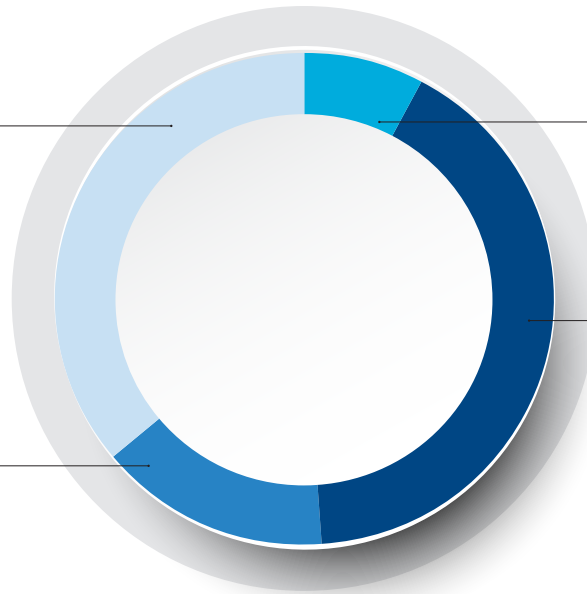
- Africa
- Americas
- Europe
- Asia

EMERGENCY AID  
**13,241** PEOPLE  
36%

EDUCATION  
**3,002** PEOPLE  
8%

WASH  
**14,726** PEOPLE  
41%

SOCIAL INFRASTRUCTURE  
**5,341** PEOPLE  
15%



#### BENEFICIARIES BY PROJECT TYPE

The largest number of people in 2017 benefited from WASH projects – mainly construction of sanitary facilities and provision of access to drinking water, but also hygiene training. In the aftermath of a disaster it is important to provide immediate emergency aid to ensure the survival of as many of the people affected as possible – which is why the second-largest number of beneficiaries were in this category.

- Education
- WASH
- Social infrastructure
- Emergency aid

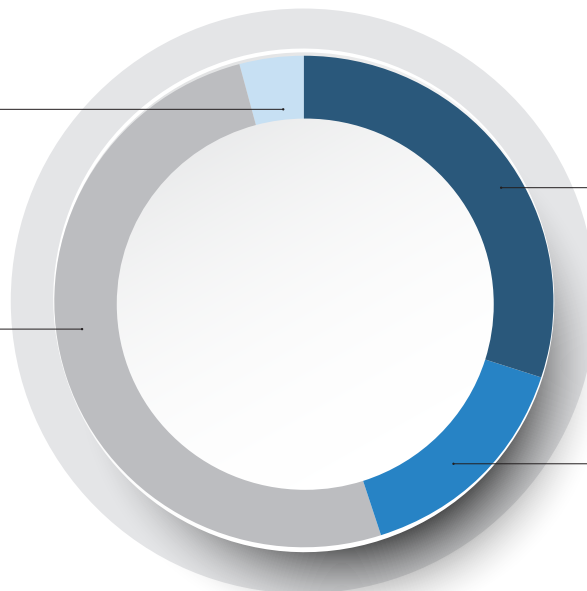
In 2017, **60 projects** in **28 countries** received funding amounting to over **€2 million**, benefiting some **36,000 people**.

EUROPE  
**1,350** PEOPLE  
4%

AFRICA  
**10,875** PEOPLE  
30%

ASIA  
**18,560** PEOPLE  
51%

AMERICAS  
**5,525** PEOPLE  
15%



#### BENEFICIARIES BY REGION

As two major WASH projects were implemented in Asia (India and Myanmar), these two countries accounted for the highest number of beneficiaries. In Africa, too, where more than 10,000 people benefited from Knorr-Bremse Global Care's projects, the majority were in the field of WASH.

- Africa
- Americas
- Europe
- Asia



# Whom we owe thanks to

Without the constant support of all our Knorr-Bremse colleagues, Knorr-Bremse Global Care would not exist. The organization is particularly grateful to the two divisions of Knorr-Bremse AG – Rail Vehicle Systems and Commercial Vehicle Systems – for their annual donations.

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**KNORR-BREMSE**   
*global care*









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