

IPLOCA HSE & CSR Committee

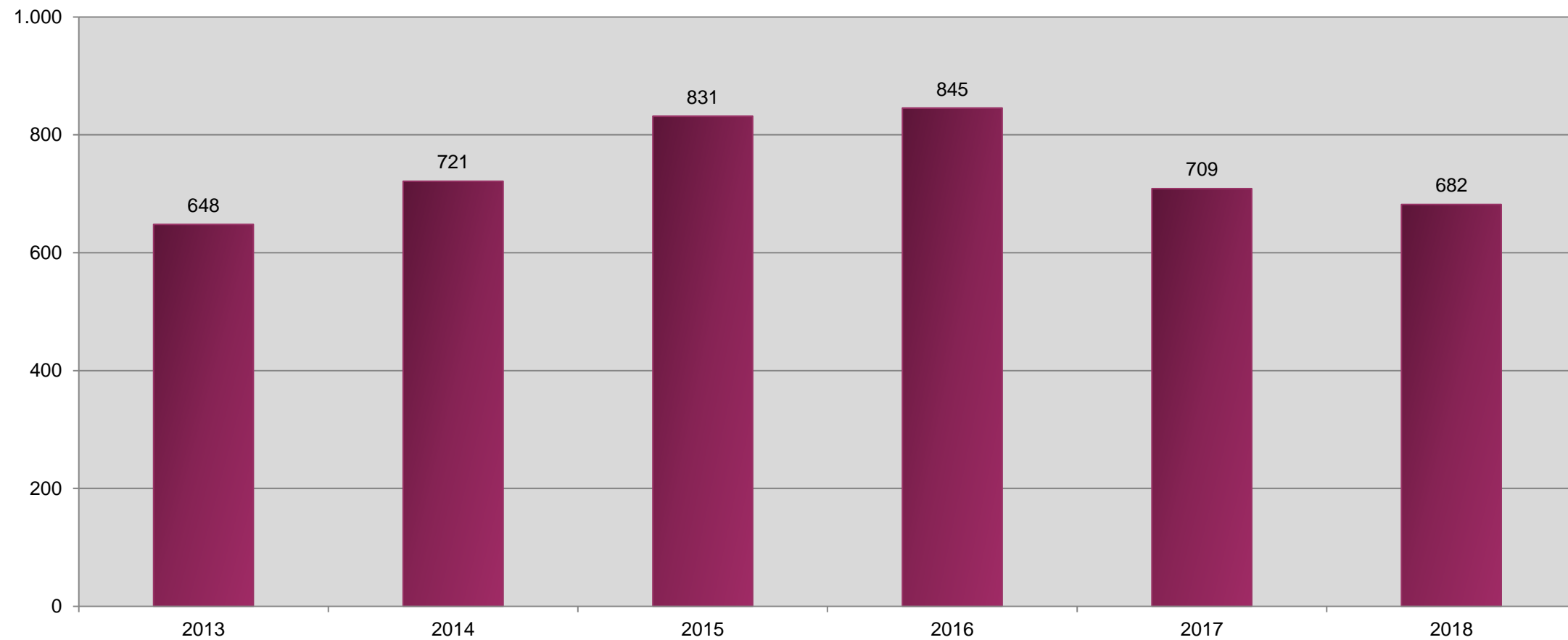
Sue Sljivic

HSE & CSR Committee Chair



2018 IPLOCA Health & Safety Statistics

Worked-Hours in Millions



KPI Objectives for 2020

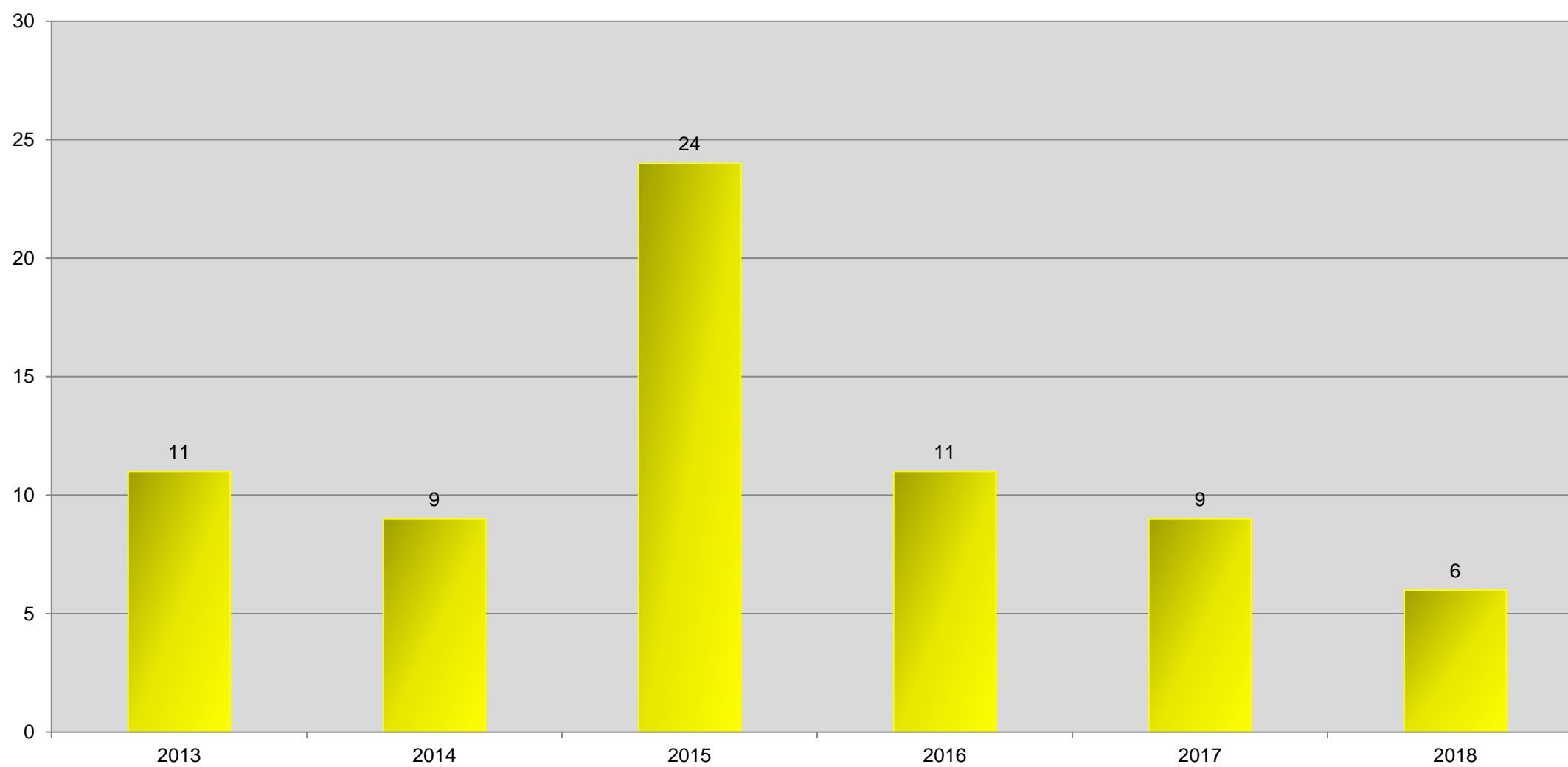
➤ **Lagging indicators:**

- 0 fatalities
- Total recordable incident rate (TRIR) < 1

➤ **Leading indicators:**

- Minimum 30,000 recorded near misses
- H&S training rate > 15,000 hrs per million wkhrs

Fatalities



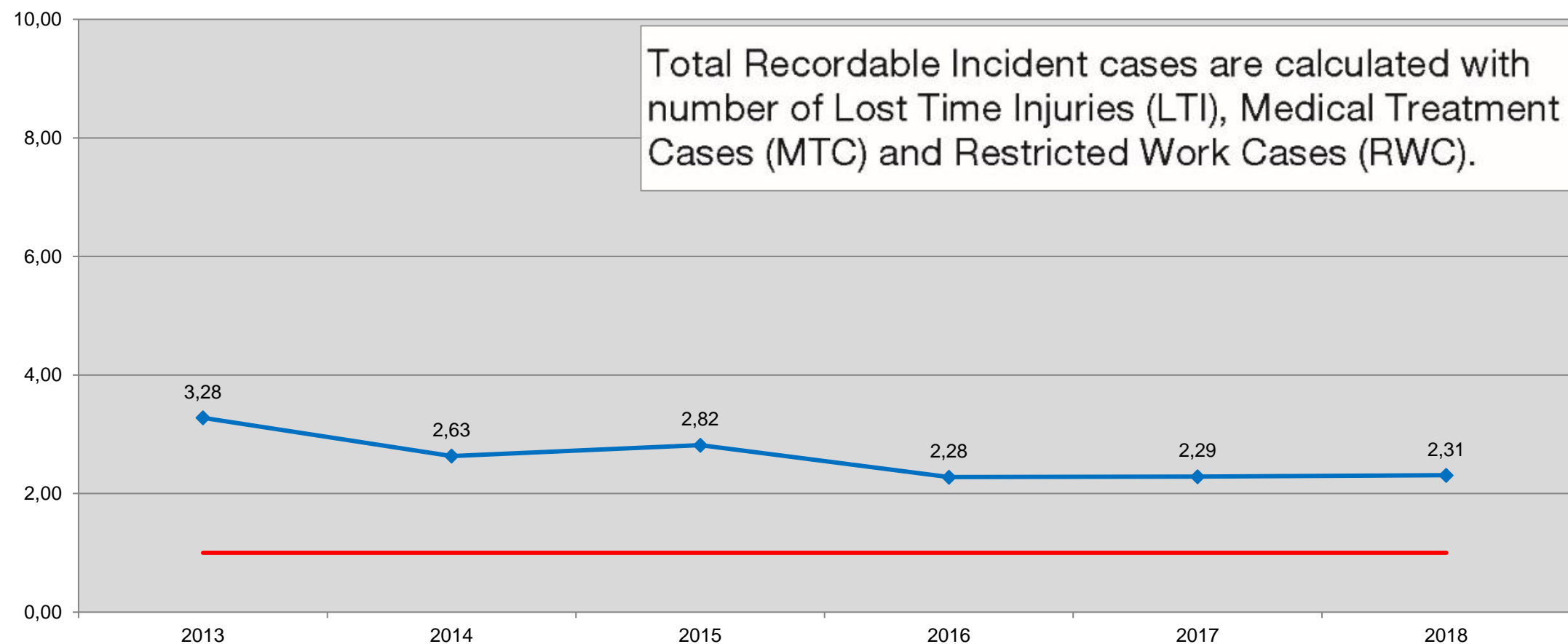
2020 target

Fatalities

Split of fatalities 2018:

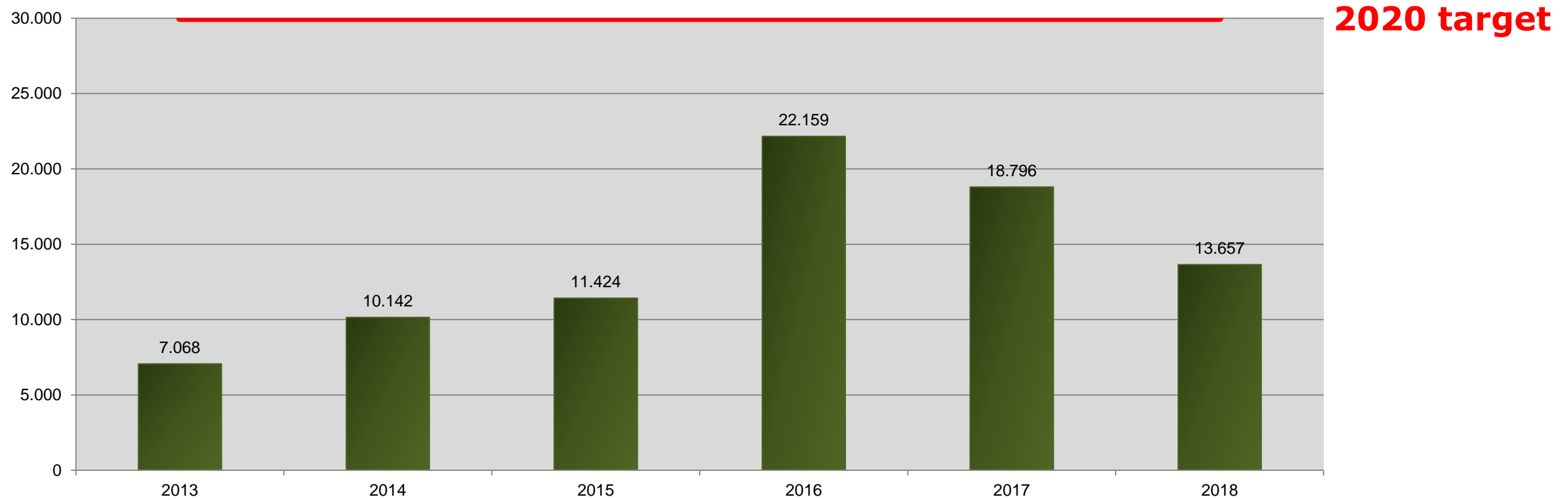
- 3 in road traffic accidents
- 1 in collisions with site equipment
- 2 in other operations (details not reported)

Total Recordable Incident Rate (TRIR) (per million worked hours)

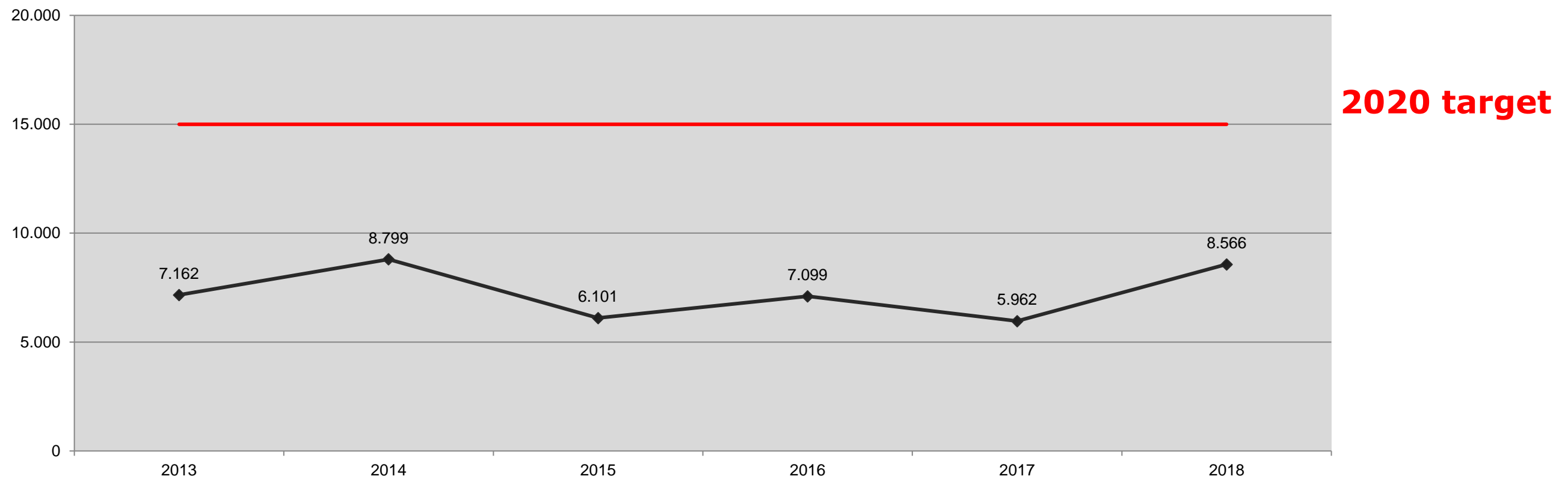


2020 target

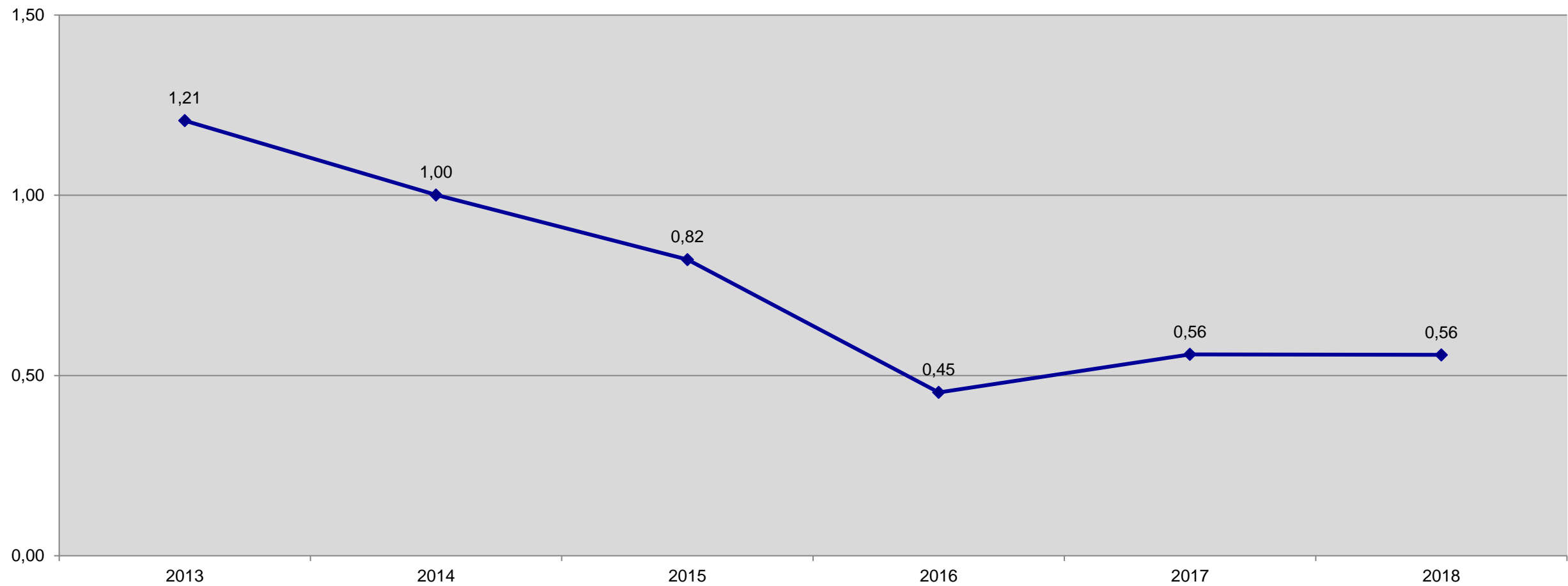
Near Misses Reported



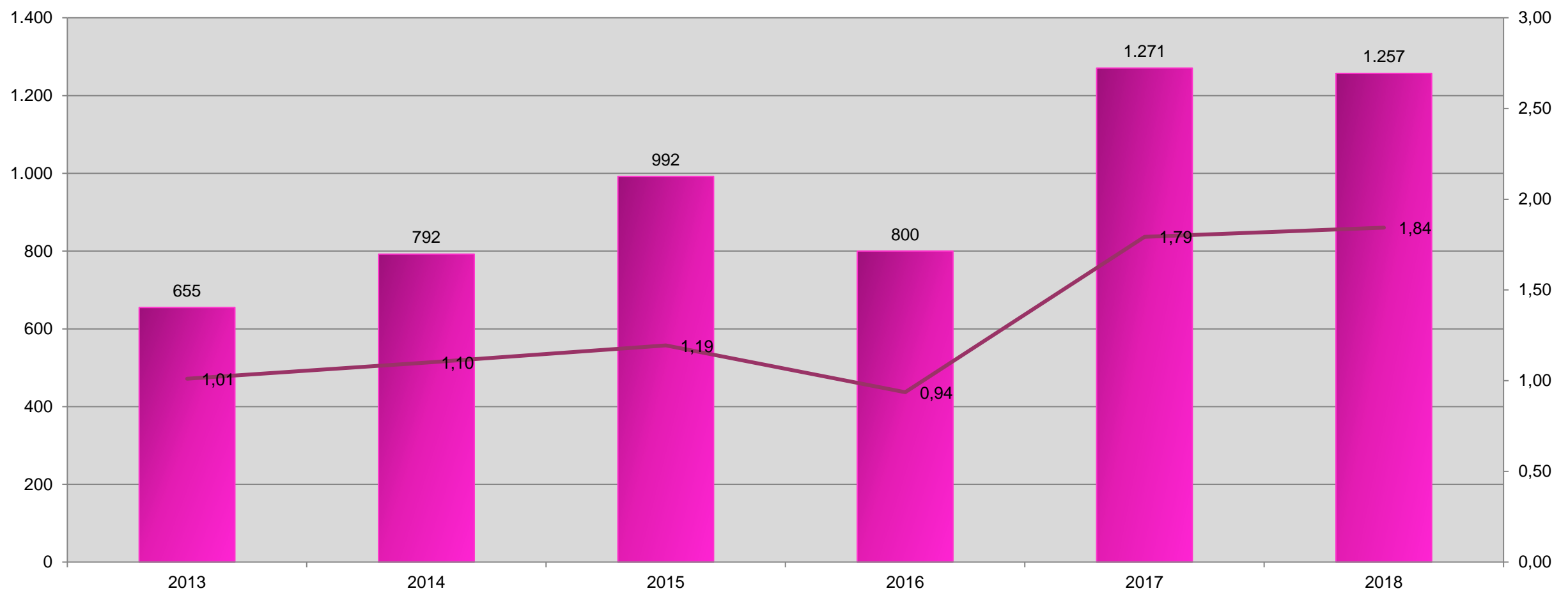
Health & Safety Training Frequency Rate (per million worked hours)



LTI Frequency Rate Index (per million worked hours)



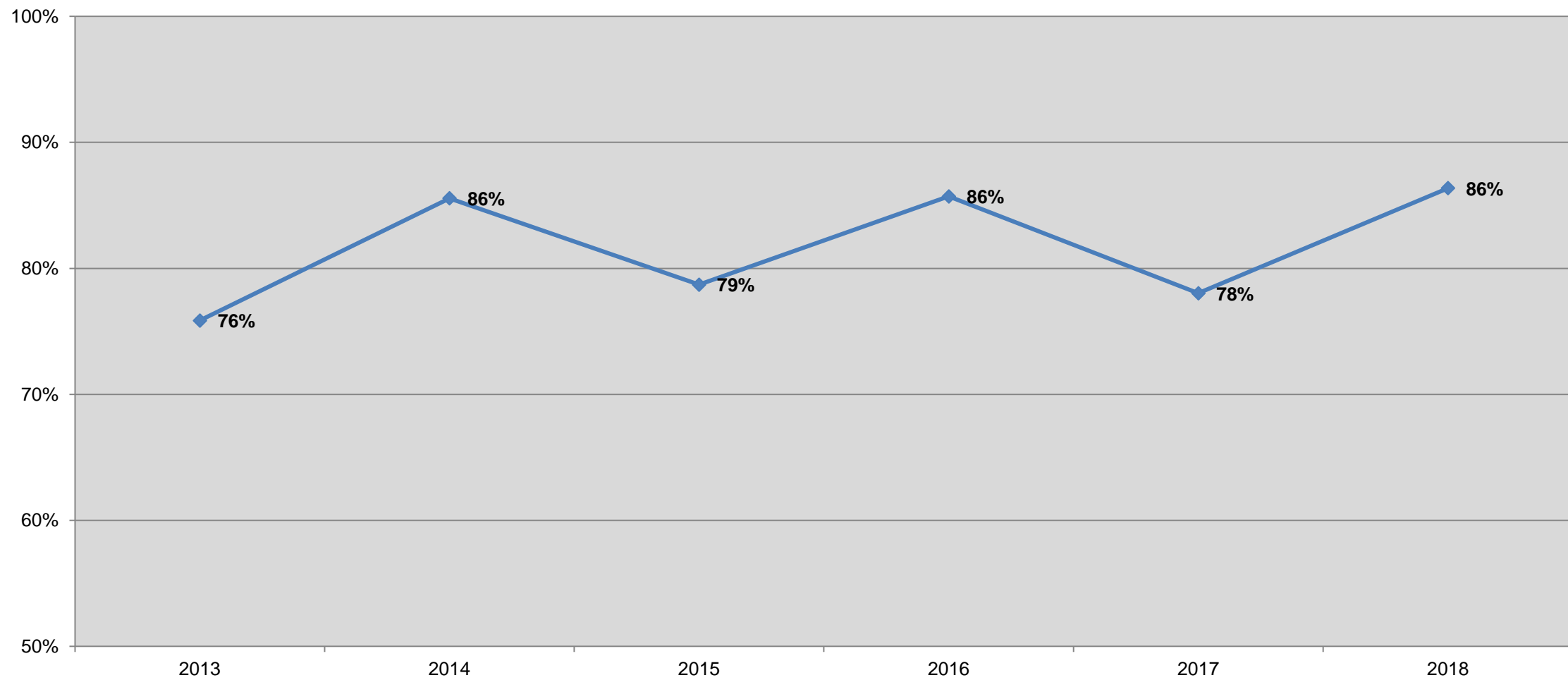
Road Traffic Accidents (and rate per million worked hours)



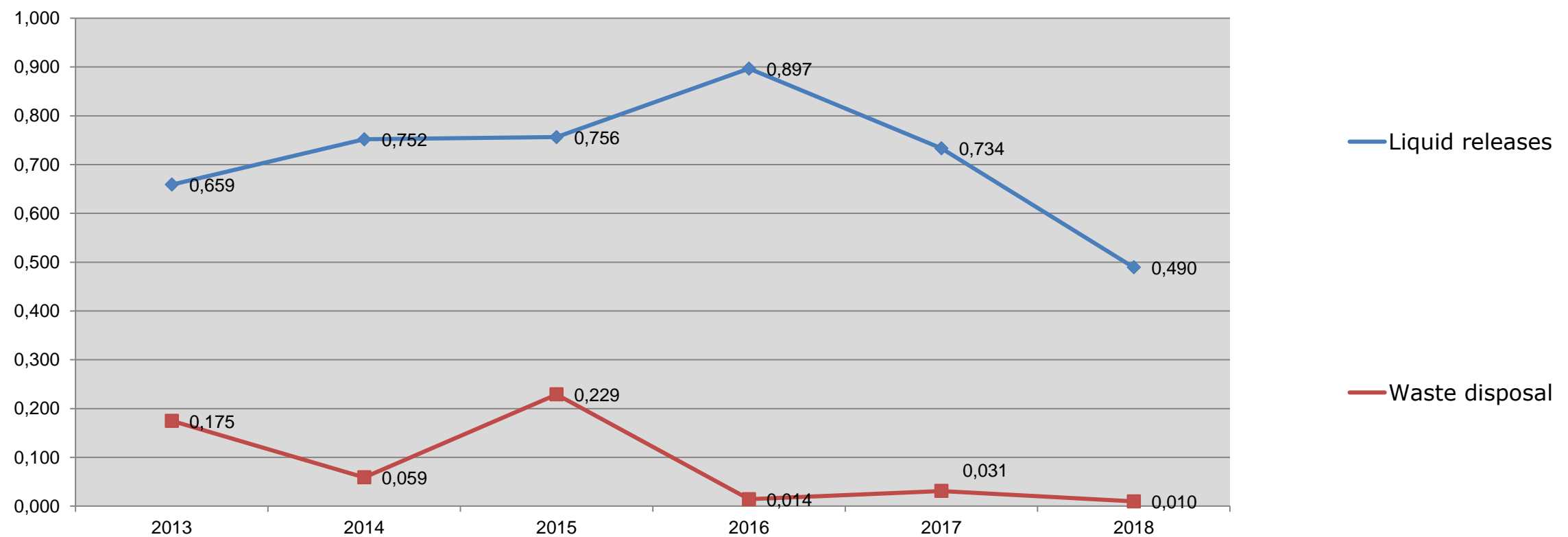


2018 IPLOCA Environmental Statistics

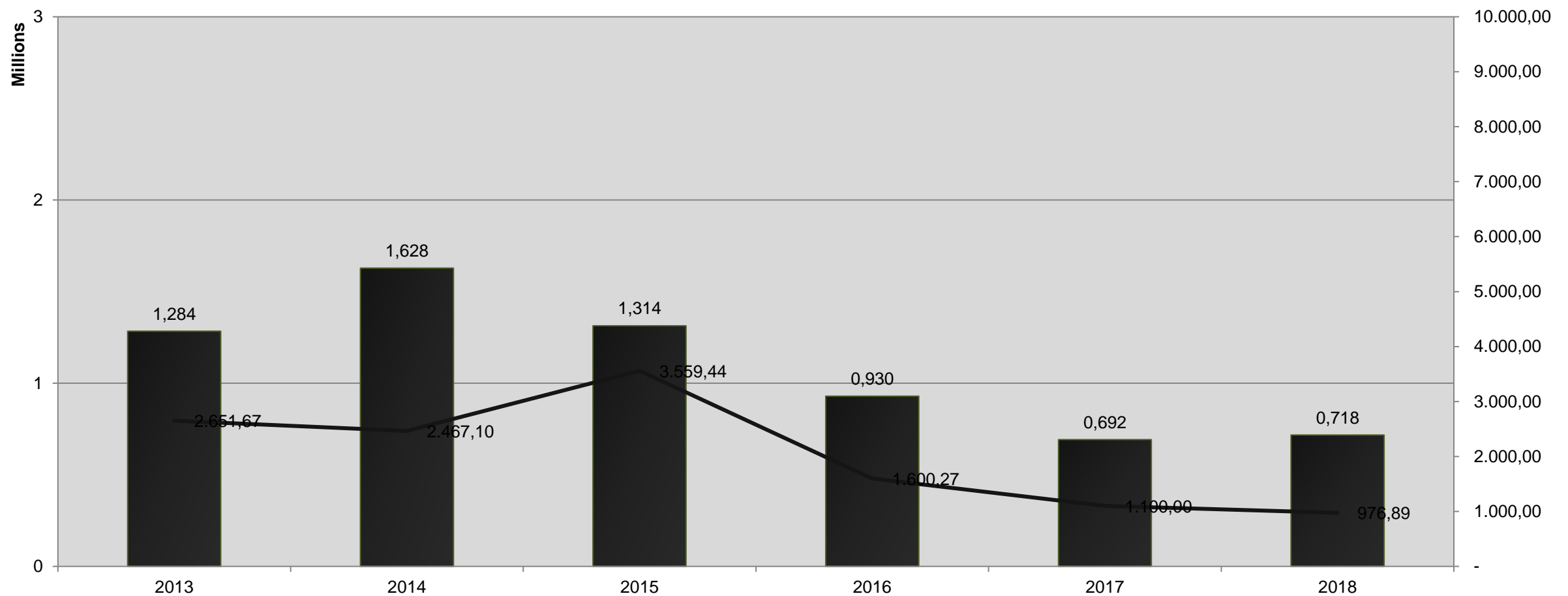
ISO 14000 Certified members



Environmental Incidents Frequency Rates (per million worked hours)



Environmental Training Hours (in millions) (and rate per million worked hours)



2018 IPLOCA Health, Safety & Environmental Statistics

Results published in:

- 2018 Health, Safety & Environmental Statistics Report
- www.iploca.com



HS&E Workshop

**Title: Environment and
sustainability in pipeline
construction**

Environmental Workshop (& webcast)

Environment and sustainability in pipeline construction

Geneva, Switzerland – 22 October 2019

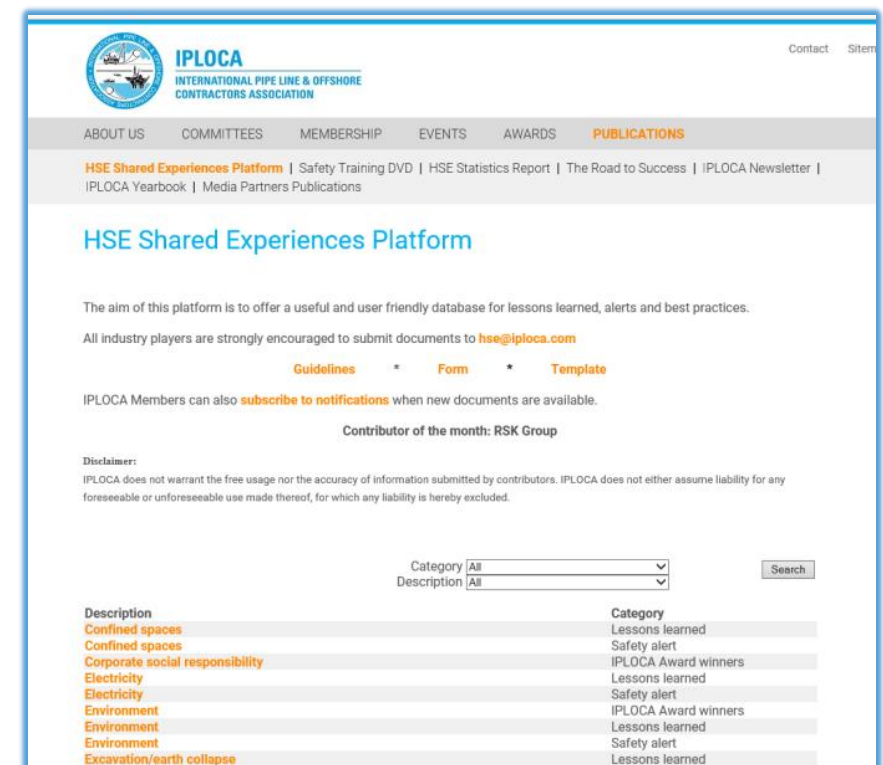
- Targeted to all pipeline professionals
- International expert speakers selected amongst contractors, operators financial institutions and a Carbon Reporting organisation (CPD)
- Focused on **understanding the drivers for environment and social initiatives, carbon measurement and reporting, the latest environmental terminology and current best practice.**
- Followed by the Novel Construction Initiative Fall Session
- All presentations will be available live online



Health, Safety & Environmental Shared Experiences

Health, Safety & Environment Shared Experiences

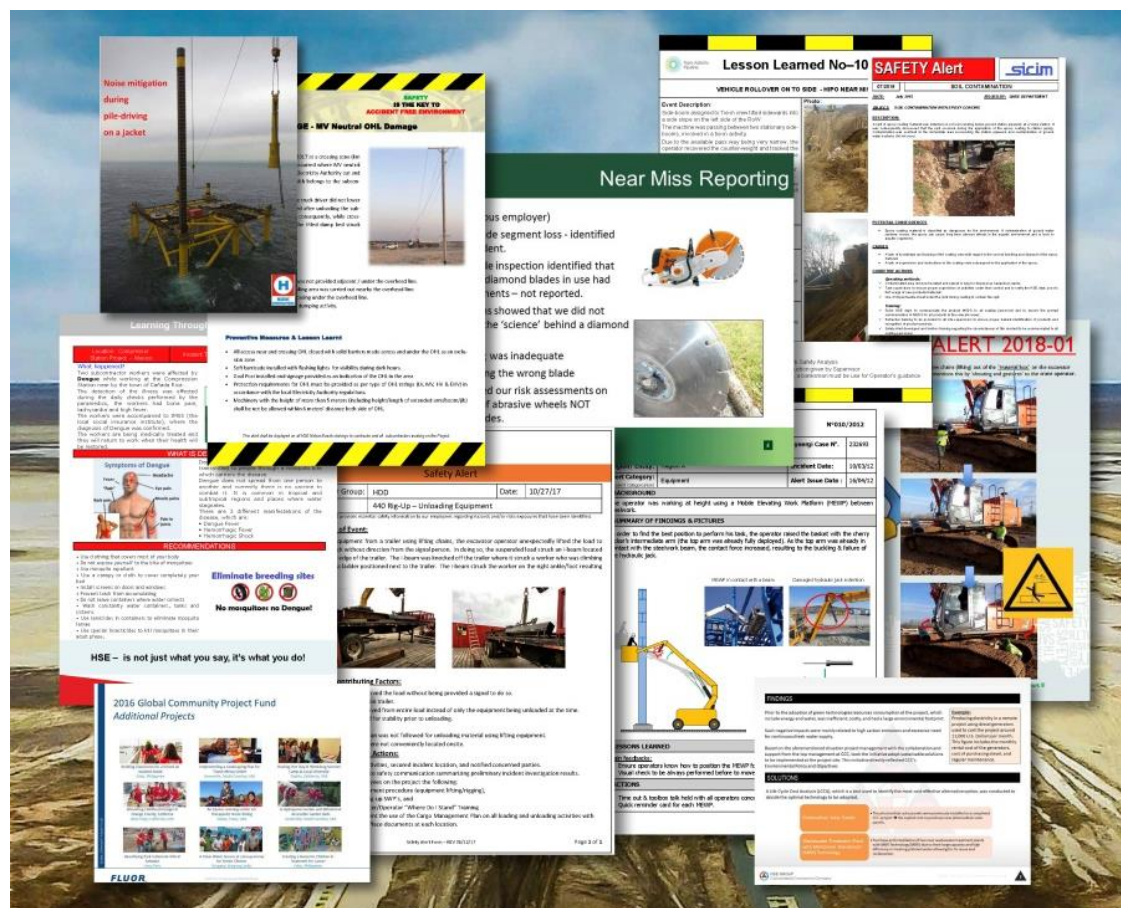
Share your HSE experience,
raise awareness on potential common issues,
and learn from others using the
FREE databank of best practices,
lessons learned and safety alerts
specific to the pipeline industry



The screenshot shows the IPLOCA website's 'HSE Shared Experiences Platform' section. It includes a navigation bar with links like 'ABOUT US', 'COMMITTEES', 'MEMBERSHIP', 'EVENTS', 'AWARDS', and 'PUBLICATIONS'. The main content area describes the platform's purpose as a database for lessons learned, alerts, and best practices. It encourages users to submit documents to hse@iploca.com and provides links for 'Guidelines', 'Form', and 'Template'. A disclaimer states that IPLOCA does not warrant the accuracy of submitted information. At the bottom, there is a search bar with dropdown menus for 'Category' and 'Description', and a 'Search' button. A table lists various categories and their corresponding document types.

Description	Category
Confined spaces	Lessons learned
Confined spaces	Safety alert
Corporate social responsibility	IPLOCA Award winners
Electricity	Lessons learned
Electricity	Safety alert
Environment	IPLOCA Award winners
Environment	Lessons learned
Environment	Safety alert
Excavation/earth collapse	Lessons learned

Health, Safety & Environmental Shared Experiences



- 260 documents already uploaded
- open to different languages
- notification service via e-mail

HSE&CSR Committee Initiatives

- Guidelines for Heavy Machinery Operator Competency
- Life saving Rules





IPLOCA Awards

IPLOCA Awards

Awards are intended to:

- Reward those who are “leading by example”
- Share information amongst the industry
- Inspire the industry for new initiatives
- Profile the industry trends



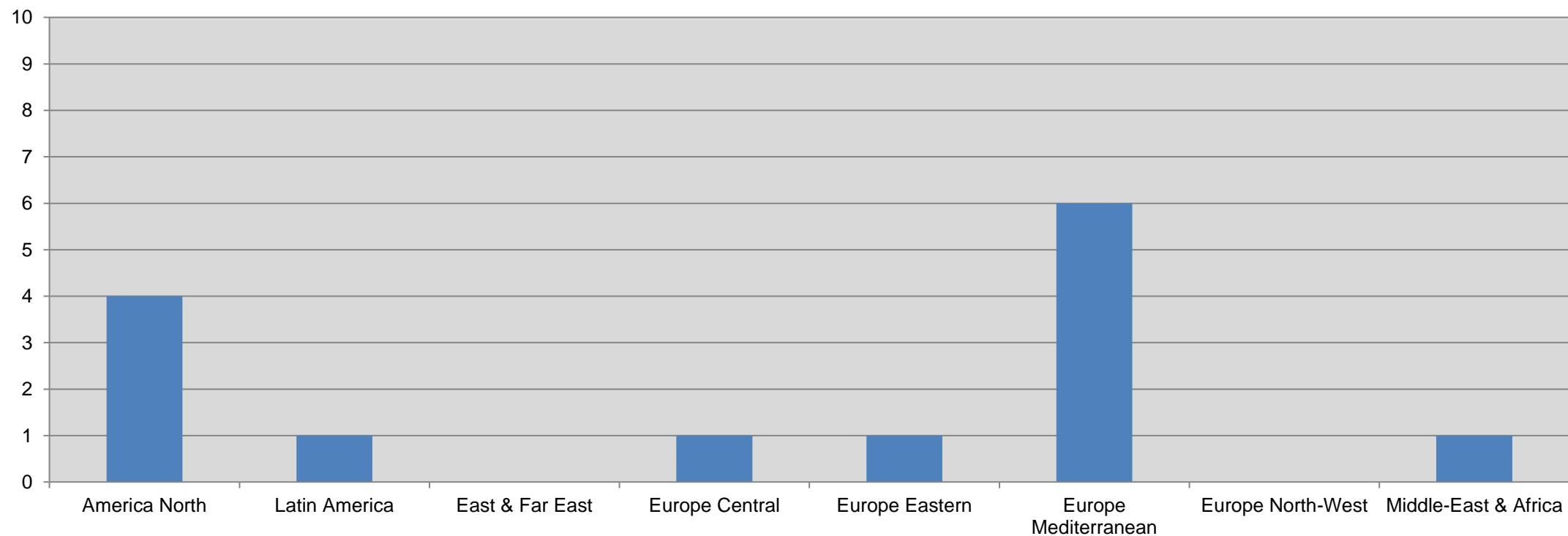


2019 IPLOCA Health & Safety Award sponsored by Chevron



2019 IPLOCA Health and Safety Award, sponsored by Chevron

14 entries received



Virtual Reality Training



INCIDENT INVESTIGATION MOBILE APP

2019 IPLOCA HEALTH AND SAFETY AWARD





To see and to be seen - practical Test „View from Excavator“
Working safely in the Danger Zone of Excavators



MICHEL'S®

“Mi-Promise” Campaign and
“My VIP & Me”

Making Safety Personal through Children's Activity Book, Safety Celebration Events, and Promises to Work Safe



Area Safety Award & HSE Champion Program

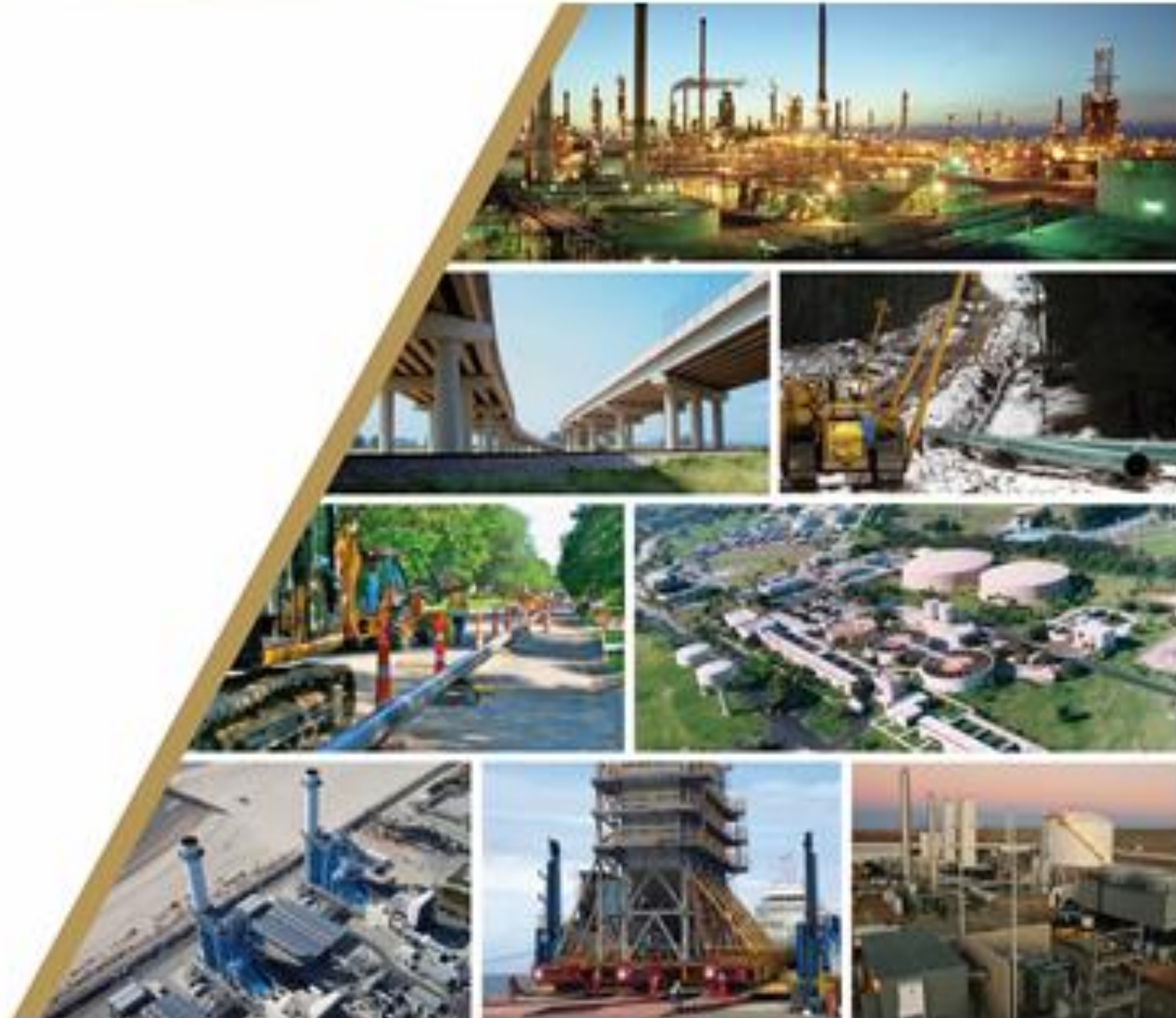


National Petroleum Construction Company



2019 IPLOCA Health & Safety Award Presentation

Implementation of the Actual or
Potential Severity (APS) System
at ARB, Inc.





SAIPEM LIFE SAVING RULES

Achieving Extraordinary Safety Performance



IPLOCA Health & Safety Award - 2019



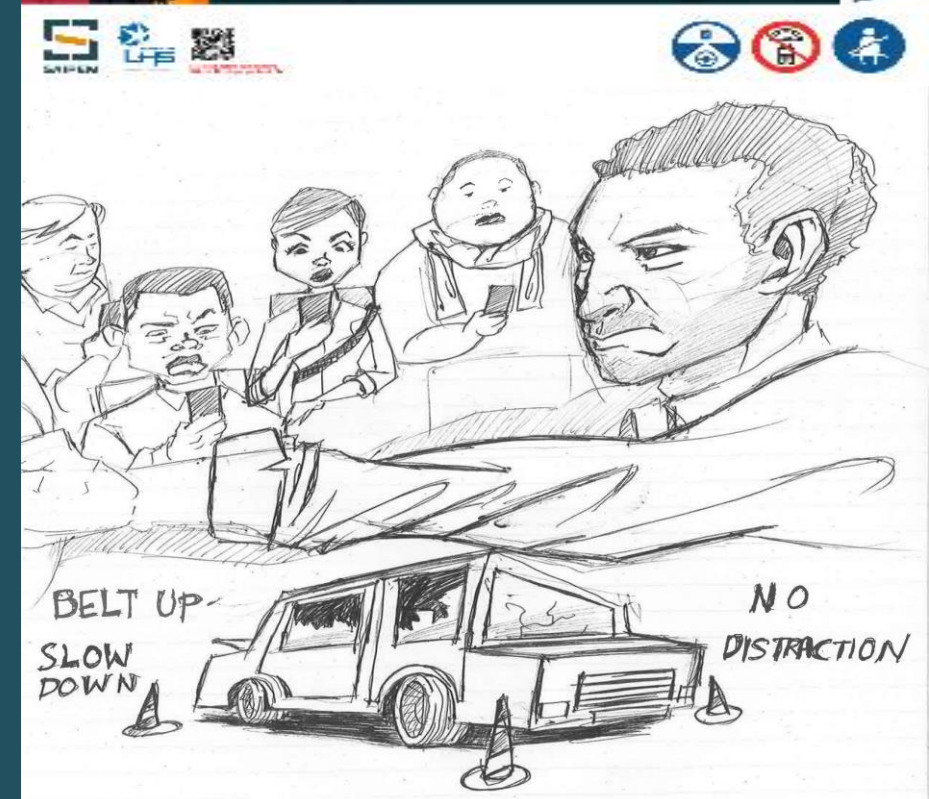


BELT UP OR GET OUT

Making Every Journey Safe



IPLOCA Health & Safety Award - 2019



**BELT UP
OR
GET OUT**

**ALLACCIALA
O
SCENDI**

SICIM F.I.T. Application



IPLOCA Health & Safety Award 2019

Gas Cylinder Lifting Device



IPLOCA Health & Safety Award 2019



Goal Post 2.0

IPLOCA HEALTH AND SAFETY AWARD 2019

VIRTUAL REALITY (VR)

TECHINT
Engineering & Construction

Virtual reality (VR) is digital technology that creates an environment of scenes, objects or risks of real appearance. The most common meaning refers to an environment generated by computer technology, which creates in the user the feeling of being immersed in it. This environment is contemplated by the user through a device known as virtual reality glasses or helmet. This can be accompanied by other devices, such as gloves or special suits, which allow a greater interaction with the environment as well as the perception of different stimulus that intensify the feeling of reality.



The purpose of VR-based on safety training is to provide a safe work environment, where employees can effectively test, perform everyday tasks in construction and, ultimately, promote personal skills to improve the perception of risks.

TEKFEN 4.0

Machinery / Equipment / Vehicle Monitoring
by using IoT technology




TEKFEN CONSTRUCTION




JOINT SUBMISSION
IPLOCA H&S Award
Pursuit of Excellence (PoE)
Mexico Major Projects

May 2019

 **TC Energía**

 **Bonatti**

TECHINT
Ingeniería y Construcción

 **Iseas**

 **G S P**
GOI SICIM PIPELINES S.A. DE C.V.

2019 IPLOCA Health and Safety Award, sponsored by Chevron

3 entries selected



2019 IPLOCA Health and Safety Award, sponsored by Chevron

2 Runners-Up



TEKFEN 4.0

Machinery / Equipment / Vehicle Monitoring
by using IoT technology



Gas Cylinder Lifting Device



IPLOCA Health & Safety Award 2019

2019 IPLOCA Health and Safety Award, sponsored by Chevron

Winner





Goal Post 2.0

IPLOCA HEALTH AND SAFETY AWARD 2019

Goal Post 2.0



Adding Value

This new goal post permits a quicker and easier mean to put in place and safer (no need to work at height).

- Easy and quick to put in place: between 2 and 3 hours against 10 hours for the previous system with 3 workers against 6 workers
- Avoid people working at height: cancelation of fall from height risk



Goal Post 2.0



Management Commitment

As the system needed time to design it and money because the start-up cost is higher than the classical goal post, the Management has been asked to decide the action.



Goal Post 2.0



Step Forward in Health and Safety Management

When Spiecapag people searched a solution, this one was not seen. So, it is a real innovation. In the market no such system does exist. It is a step forward to implement with safety and productivity criteria's.

In addition, this action is easy to share and to implement wherever. And the most important, everyone can see at all time if a safety sensitive device is in place to avoid severe incident.



Goal Post 2.0



Efficiency

60 goal posts of the new type were disseminated over the project. Effectiveness of the system has been proven by no observing incident (overhead cable broken) as seen before in all projects and this is a useful and easily deployable throughout all future projects. No more worker working at height.



BEST PRACTICES	
Activity:	Clear and grade
Title:	Goal post raising system
Thanks to:	[Redacted] - Clear and grade supervisor
	
What:	Custom made of concrete blocks, poles, ropes, and steel wire rope to raise the goal post.
Why:	The system is easy to install, clear and grade without any support or crane at the site. It is also easy to use for the worker. It is also easy to use for the worker. It is also easy to use for the worker.
How:	The goal post is raised by the worker. The goal post is raised by the worker. The goal post is raised by the worker.

Goal Post 2.0



Additional Benefits

Team work with different departments in all the area of project is a kind of team building and give Spiecapag personnel a glimpse to positively repeat it again with the same success. Client confidence in Spiecapag and also in the management team's commitment to safety improvement is also a plus.

Other benefits as follow:

- Distance between electrical overhead cable more safe (10 m),
- Perfect on solid ground because no earthwork necessary (concrete base of 2.6 metric tons with light wind pressure area),
- Improved visibility of flags,
- Better adjustment of goal post, all done at the foot of the pole,
- Easier Maintenance (in 6 months nothing has been changed),
- Excellent reliability and life time of the overall system,
- No more hole under overhead cable due to flags crossing.



2019 IPLOCA Health and Safety Award, sponsored by Chevron

The "Goal Post 2.0" was selected for the following reasons:

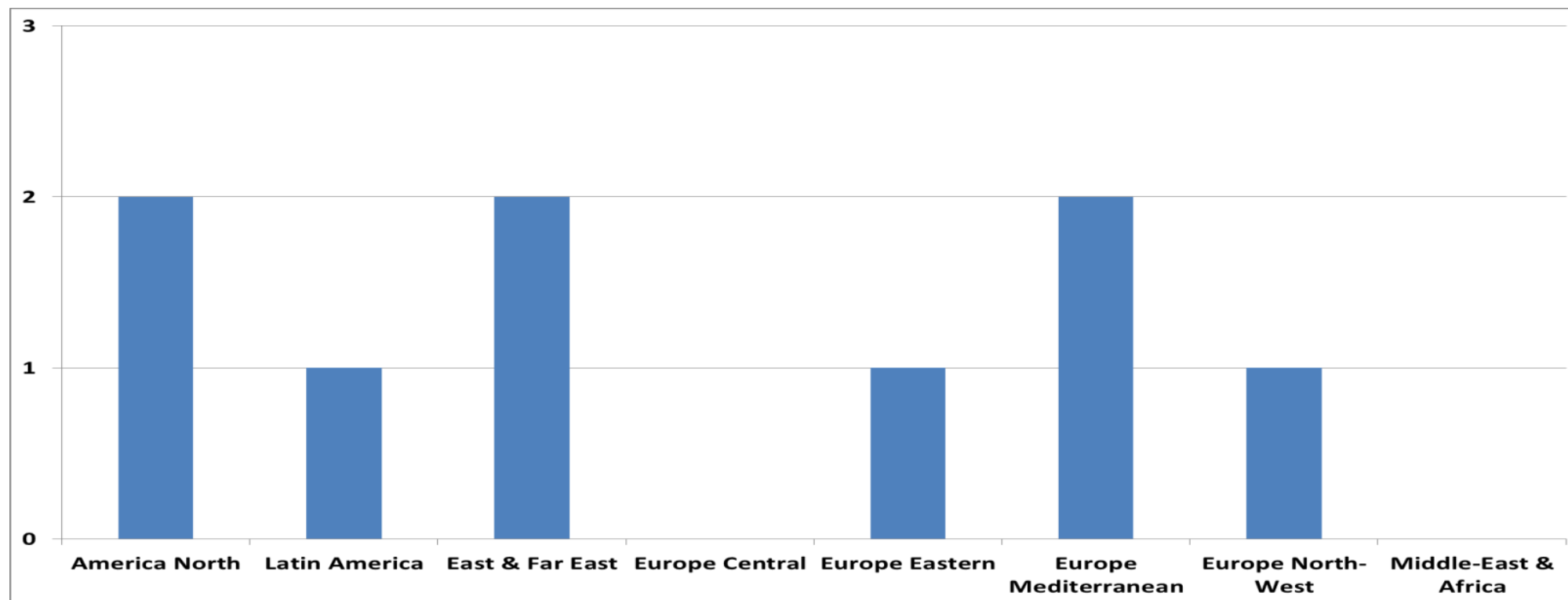
- Simple, creative, innovative and a result of Team Building Exercise
- It avoids having people working at height
- It is not so expensive
- With high efficiency to save lives and money



2019 IPLOCA Corporate Social Responsibility Award sponsored by Total

2019 IPLOCA Corporate Social Responsibility Award sponsored by Total

9 entries received





CATERPILLAR
FOUNDATION

CATERPILLAR®

2019 IPLOCA CSR Award Submission

Value of Water



2019 IPLOCA Corporate Social Responsibility Award

Sponsored by



CSR Initiative of Constructing Dormitory Buildings for Orphan Girls

**Kalpataru Power Transmission Limited
Mumbai - India**

IPLOCA CORPORATE SOCIAL RESPONSIBILITY AWARD

“MAKING AN IMPACT”

SUBMITTED BY:
LEDCOR PIPELINE LIMITED



Northern Gas Pipeline Project

*Corporate and Social
Responsibilities Initiatives*

*IPLOCA 2019 CSRAward
Nomination*




Jemena
bringing energy to life

MCCONNELL
DOWELL
CREATIVE CONSTRUCTION™


SIECAPAG
ENTREPRENEUR

RSK GROUP SUSTAINABILITY ROUTE MAP

IPLOCA Corporate Social Responsibility Award 2019





AIR EMISSION ESTIMATION METHODOLOGY

Saipem



ENVIRONMENTAL CONDITION IMPROVEMENT ACTIVITIES

An Environmental program
focused on landscaping
activities among the schools,
environmental protection
campaigns and internship
campaign among children of
Kuryk village

2018 IPLOCA Corporate
Social Responsibility
Award Sponsored by
Total

marbadi 13 agosto 2019



SUMMER SCHOOL

«*BUILDING A SUSTAINABLE FUTURE*»

TANAP NATURAL GAS PIPELINE PROJECT - COMPRESSOR AND METERING STATIONS
TURKEY

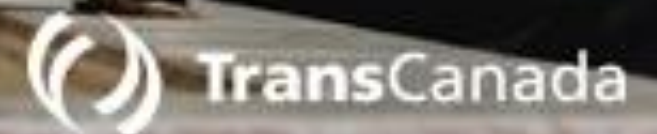


TEKFEN CONSTRUCTION



Rain Water Harvesting and Collective Water Supply Initiative

May, 2019



2019 IPLOCA Corporate Social Responsibility Award

3 entries selected



2019 IPLOCA Corporate Social Responsibility Award

2 Runners-up



SUMMER SCHOOL

«*BUILDING A SUSTAINABLE FUTURE*»

TANAP NATURAL GAS PIPELINE PROJECT - COMPRESSOR AND METERING STATIONS
TURKEY



TEKFEN CONSTRUCTION



2019 IPLOCA Corporate Social Responsibility Award

Sponsored by



CSR Initiative of Constructing Dormitory Buildings for Orphan Girls

**Kalpataru Power Transmission Limited
Mumbai - India**



2019 IPLOCA Corporate Social Responsibility Award

Winner



TOTAL

IPLOCA CORPORATE SOCIAL RESPONSIBILITY AWARD

“MAKING AN IMPACT”

SUBMITTED BY:
LEDCOR PIPELINE LIMITED



- 
- An aerial photograph showing a large-scale pipeline construction project in a rural landscape. A long, straight trench has been excavated, and a large section of green-painted pipeline is being laid along its length. Several yellow excavators and other construction vehicles are visible at the site. The surrounding area consists of green fields and a line of trees in the background.
- Defined by our culture, world-class safety and environmental stewardship
 - In operation since 1971
 - Expended 1.5 million work-hours in 2018
 - Service offerings:
 - Mainline construction
 - Integrity & special projects
 - Resource Management Groups

WHO WE ARE: LEDCOR PIPELINE

- 
- A large group of approximately 50 people, including men, women, and children of various ages, are posing for a group photo at a playground. They are arranged in several rows, with some sitting on the ground in front and others standing behind. The playground equipment, including a green slide and yellow climbing structures, is visible in the background. The scene is outdoors with trees and a clear sky.
- Committed to supporting the local communities where we work by investing dollars, sharing expertise, and providing skills training
 - Our goal is to leave a positive legacy on everything we touch: socially, financially and environmentally

DON TITUS PLAYGROUND: CHETWYND , BRITISH COLUMBIA

We continue to proactively seek solutions that move the industry forward and, while doing that, proactively seek ways to improve the quality of life of the people we impact by pipeline industry work

A photograph of a window with a sign made of white paper and black tape. The sign reads "THANK YOU FOR HELPING MY School". The window looks out onto a night scene with some lights and trees. The sign is placed in front of the window, and the text is written in a simple, hand-drawn style.

THANK YOU
FOR
HELPING MY
School

FUNDS DONATED TO LOCAL COMMUNITIES OVER THE LAST FOUR YEARS: \$116,800.00

2019 IPLOCA Corporate Social Responsibility Award sponsored by Total

The 'Making an Impact' submission was selected for the following reasons:

- Included commitment of time by employees
- Shows global commitment to CSR
- Co-funded by employees
- Continuous programme
- Targeted at local communities

IPLOCA Awards

Details on winning entries
available online at

www.iploca.com



IPLOCA
INTERNATIONAL PIPE LINE & OFFSHORE
CONTRACTORS ASSOCIATION

Contact 

ABOUT US COMMITTEES MEMBERSHIP EVENTS **AWARDS** PUBLICATIONS

H&S Award | Environmental Award | Corporate Social Responsibility Award | New Technologies Award |
Excellence in Project Execution Award

- > **2017 H&S Award**
- > 2016 H&S Award
- > 2015 H&S Award
- > 2014 H&S Award
- > 2013 H&S Award
- > 2012 H&S Award
- > 2011 H&S Award
- > 2009 H&S Award
- > 2008 H&S Award
- > 2007 H&S Award
- > 2006 Safety Award
- > 2005 Safety Award
- > 2004 Safety Award
- > 2003 Safety Award
- > 2002 Safety Award
- > 2001 Safety Award

2017 Health & Safety Award winners

The 2017 IPLOCA Health and Safety Award sponsored by Chevron was presented during the Annual Convention held in Mexico, in recognition of a significant achievement in this field.

Bruno Maerten, IPLOCA HSE Committee Chairman, made a presentation on the work of the HSE Committee and on the 2017 Health and Safety Award sponsored by Chevron, in presence of Rubén Kuri, 2016-2017 IPLOCA President.

To review his presentation, including the list of submissions received, please click [here](#).
If you are interested in any specific submission, please contact [Sarah Junod](#).



The Adjudication Committee decided to present the Award to **DODSAL Engineering and Construction Pte. Ltd.**, represented by Ramadugu Devanandam and Anil Shivashankar, in recognition of their *Road Safety Initiative - Robot Road Safety Manager*.

The Adjudication Committee made this award for having a IVMS with a robot for drivers' self-evaluation, for providing a positive recognition for good behaviours, and for being an innovative solution where leadership fails.

To review their full entry, please click [here](#)