Trans Adriatic Pipeline

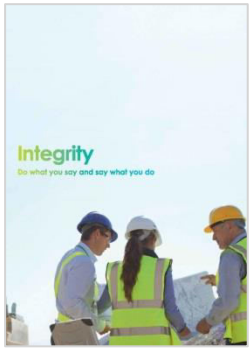
ROAD SAFETY - A JOURNEY TO ZERO

About TAP - Trans Adriatic Pipeline AG

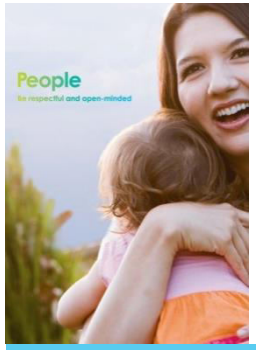
- Head Quartered in Baar, Switzerland
- Branch business offices in Athens, Rome, and Tirana.
- Currently employs over 150 specialists from 20 countries and many thousands more personnel being contracted during construction phase.
- iPMT _ One Team One Project One TAP

Our Corporate Values

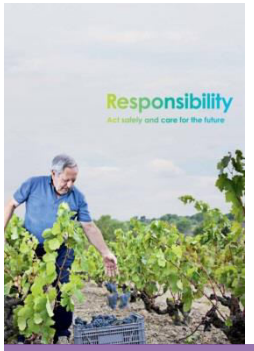
- Display dedication, motivation and passion.
- Overcome challenges by working cooperatively to achieve high quality solutions.
- Strive for continuous improvement and development of knowledge and skills.
- Keep an open attitude to change and adapt quickly.



- Follow company guidelines, code of conduct, values, and act accordingly.
- Display authentic, honest and truthful behavior.
- Take pride in TAP and its activity.
- Speak your mind and remain loyal to decisions.



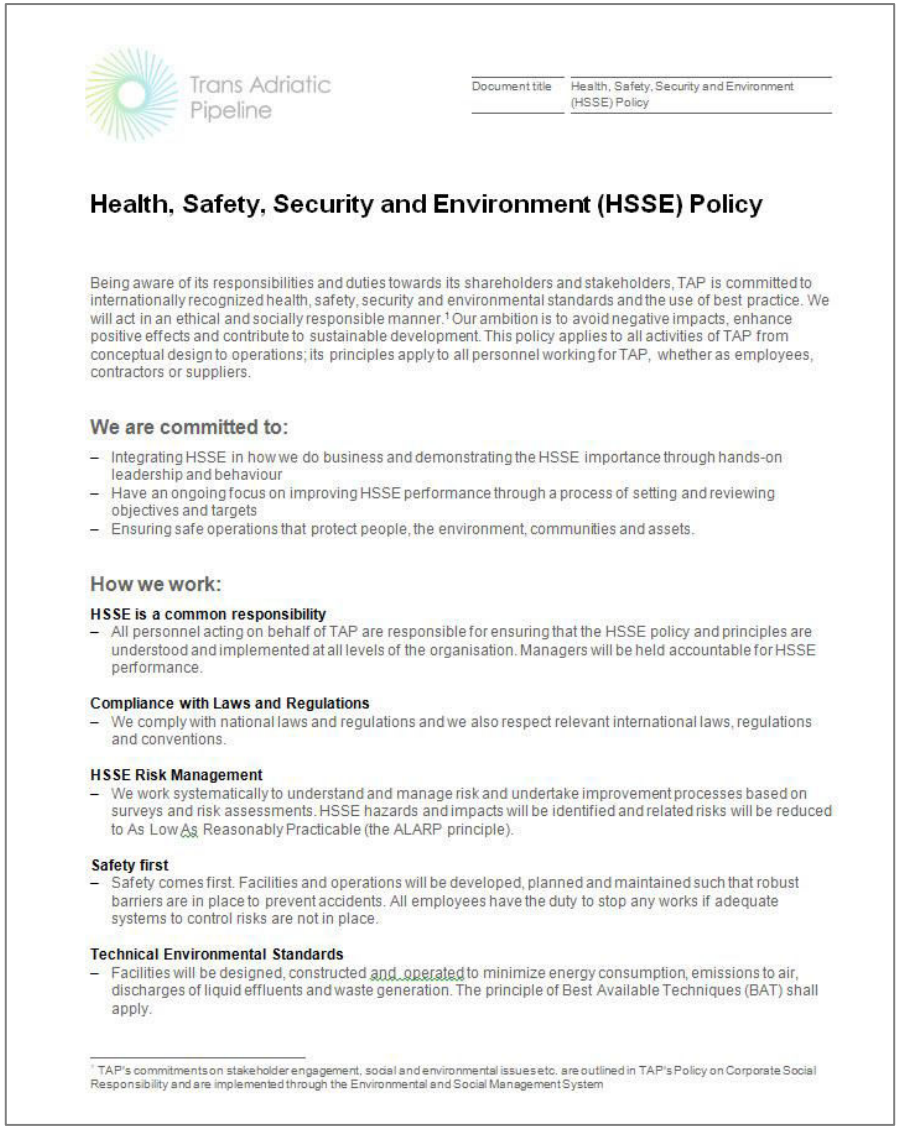
- Treat everybody with respect and goodwill.
- Value diversity in culture, gender, age and personality.
- Enhance long-term, trust-based relationships with key stakeholders.
- Achieve the best results by working together.



- Care for individuals, society, nature and resources.
- Commit fully to safety standards and measures.
- Care for each other and demand zero tolerance for harm.
- Show responsibility to the company and act with care.

The HSSE Policy

Health, Safety, Security and Environmental (HSSE) Policy



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Document title: Health, Safety, Security and Environment (HSSE) Policy

Health, Safety, Security and Environment (HSSE) Policy

Being aware of its responsibilities and duties towards its shareholders and stakeholders, TAP is committed to internationally recognized health, safety, security and environmental standards and the use of best practice. We will act in an ethical and socially responsible manner.[1] Our ambition is to avoid negative impacts, enhance positive effects and contribute to sustainable development. This policy applies to all activities of TAP from conceptual design to operations; its principles apply to all personnel working for TAP, whether as employees, contractors or suppliers.

We are committed to:

- Integrating HSSE in how we do business and demonstrating the HSSE importance through hands-on leadership and behaviour
- Have an ongoing focus on improving HSSE performance through a process of setting and reviewing objectives and targets
- Ensuring safe operations that protect people, the environment, communities and assets.

How we work:

HSSE is a common responsibility
- All personnel acting on behalf of TAP are responsible for ensuring that the HSSE policy and principles are understood and implemented at all levels of the organisation. Managers will be held accountable for HSSE performance.

Compliance with Laws and Regulations
- We comply with national laws and regulations and we also respect relevant international laws, regulations and conventions.

HSSE Risk Management
- We work systematically to understand and manage risk and undertake improvement processes based on surveys and risk assessments. HSSE hazards and impacts will be identified and related risks will be reduced to As Low As Reasonably Practicable (the ALARP principle).

Safety first
- Safety comes first. Facilities and operations will be developed, planned and maintained such that robust barriers are in place to prevent accidents. All employees have the duty to stop any works if adequate systems to control risks are not in place.

Technical Environmental Standards
- Facilities will be designed, constructed and operated to minimize energy consumption, emissions to air, discharges of liquid effluents and waste generation. The principle of Best Available Techniques (BAT) shall apply.

[1] TAP's commitments on stakeholder engagement, social and environmental issues etc. are outlined in TAP's Policy on Corporate Social Responsibility and are implemented through the Environmental and Social Management System

TAP's Golden Rules of Safety

In line with many other leading oil and gas companies TAP has developed its "Key Risk Conditions Program" which includes 8 Golden Rules of Safety.
Aimed at field personnel the 8 golden rules serve as simple reminders on conducting our work safely.

Driving Safety

All categories of vehicle (inclusive of plant) must not be operated or driven unless;

- Safety features are fitted and operational
- The vehicle is properly maintained
- The number of passengers does not exceed the manufactures maximum
- Loads are secure
- All occupants wear seatbelts
- Drivers are appropriately trained and licensed
- Drivers are not under the influence of alcohol or drugs
- The journey has been risk assessed, a journey management plan is in place and driver fatigue is considered

Operating mobile phones and satellite navigation systems is forbidden when driving.

This includes making and receiving calls and any other function of the phone.

- Why is Road Safety important for TAP
- Holistic approach to Road Safety
- Road Safety Program – Journey to Zero

Overview

Rapid growth in Vehicles

Before 1990

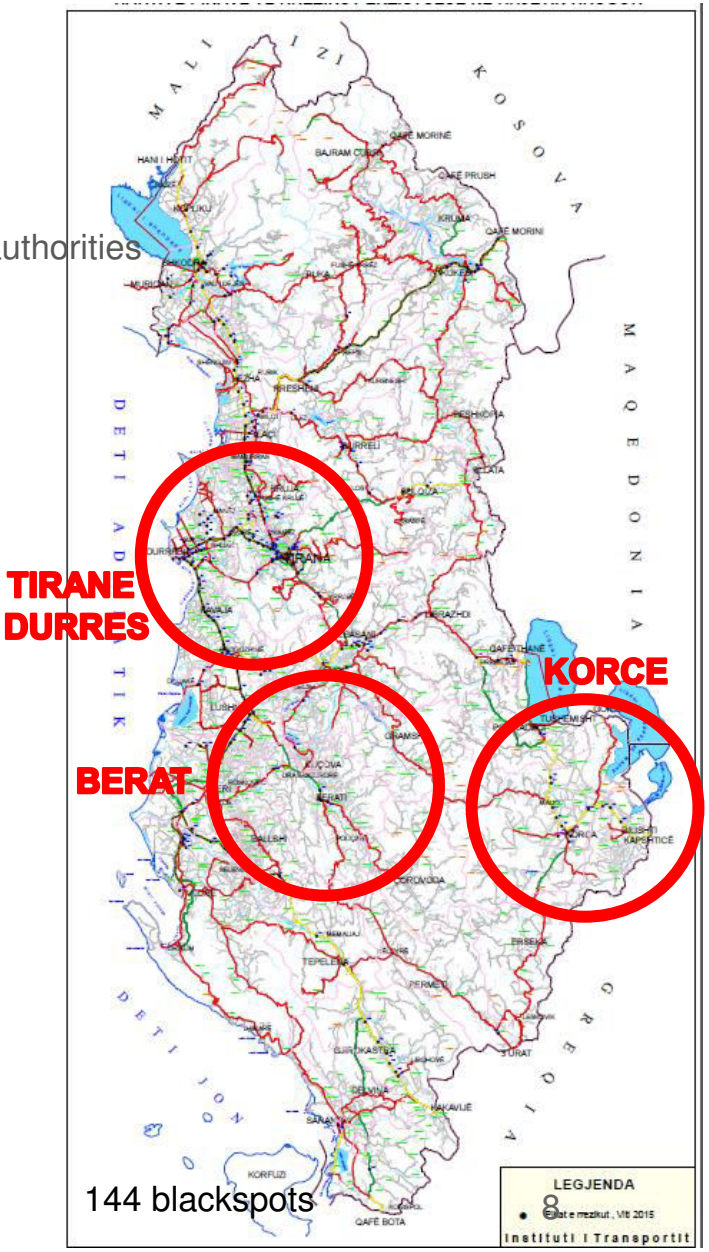
- No private cars were allowed
- 7,000 vehicles in total, belonging to authorities

Today

- 491.000 vehicles registered
- 600,000 drivers

Major Causes of road traffic accident:

- Lack of education in driving and road user culture
- Road infrastructure
- Over-speeding
- Lack of Seat belt Usage
- Drink driving
- Average vehicle age in Albania - 12 years



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Road Traffic Accidents in Albania

Source : Albanian Institute of Statistics

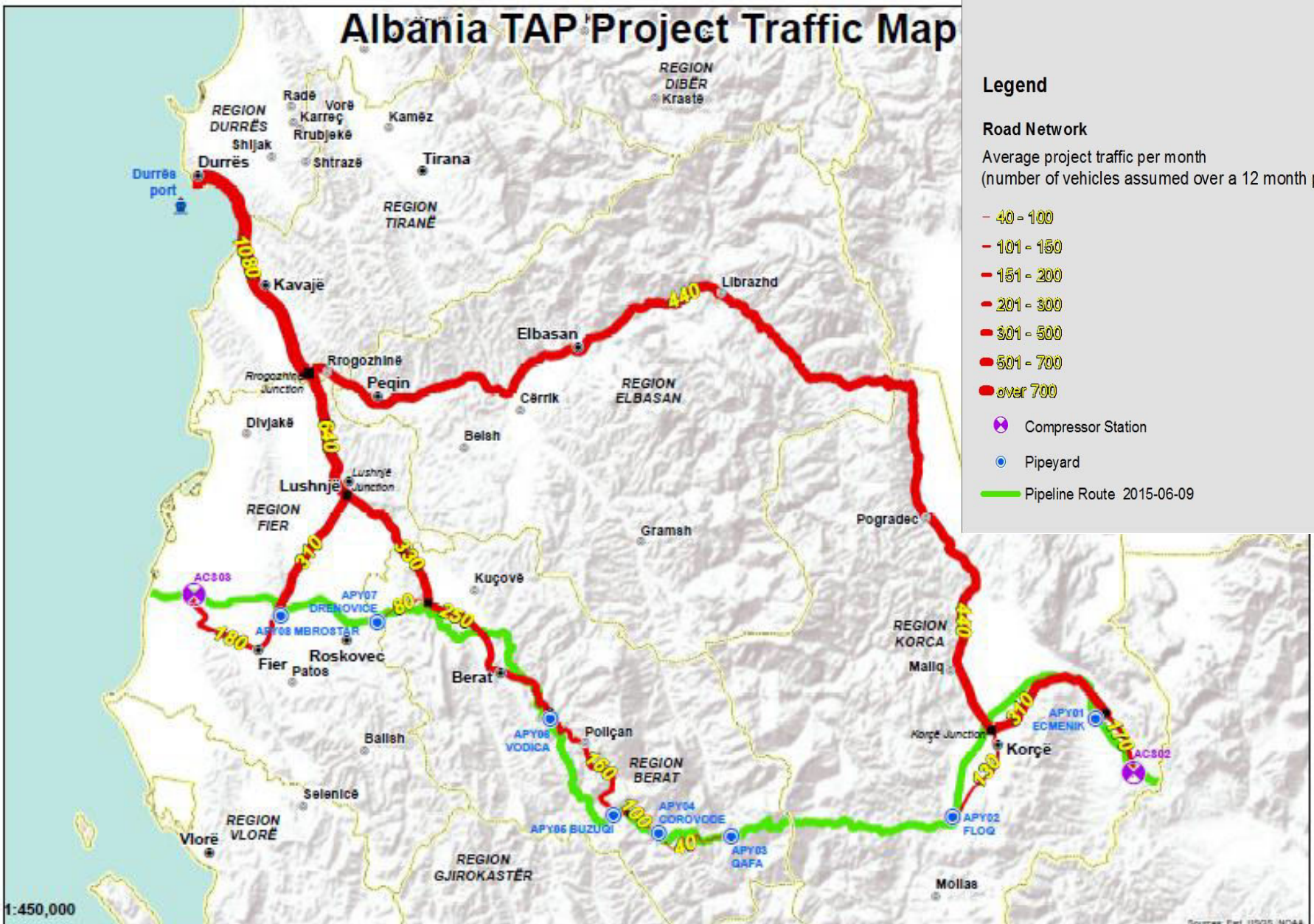
TAP Project route - Country statistics
Fatal RTA 2013 (%)

	Drivers 4-wheel	Passeng.4 wheel	Riders motorized 2/ 3-wheel	Pedestrians	Drivers / passeng. heavy trucks	Other	Estimated road traffic death rate per 100 000
albania	18	26	15	36		1	12,7
greece	31	15	31	14	6	2	12,2
italy	30	12	30	16	4	1	7,2

	Population
Albania	3'204'284.00
Greece	11'359'346.00
Italy	60'550'850.00

Source : Global status report on road safety 2013 WHO

Main Truck Movements



Legend

Road Network

Average project traffic per month
(number of vehicles assumed over a 12 month peak p

- 40 - 100
- 101 - 150
- 151 - 200
- 201 - 300
- 301 - 500
- 501 - 700
- over 700

Compressor Station

Pipeyard

Pipeline Route 2015-06-09

Holistic Approach to Road Safety

- Leadership and Commitment
- Management Controls
- Vehicle specifications
- Journey Management
- Driver behavior

While driving, do not use your phone and do not exceed speed limits

Wear your seat belt

Follow prescribed Journey Management Plan

Hierarchy of controls

Eliminate the journey

Change to a lower risk transportation mode

Apply vehicle controls

Apply administrative and procedural controls that guide driver behavior including driver competence requirements and journey management

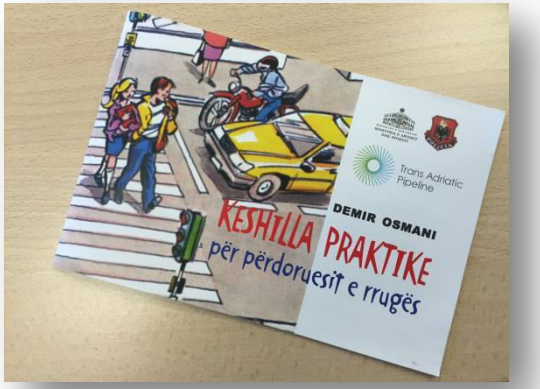
Road Safety– Journey to Zero

- ✓ Road Safety in projects
- ✓ Driver behavior
  - In Vehicle Monitoring Systems + Driver Incentive Scheme
  - Risk based Defensive Driving Training
  - Fatigue awareness, Rollover awareness
- ✓ Journey Management
- ✓ Competency improvement (driver, supervisor, journey manager
- ✓ Minimum Vehicle Requirements, vehicle inspection and maintenance scheme
- ✓ Assurance and sustainability
  - Management System Audits
  - Health checks
  - HSSE Management systems
- ✓ Monitoring and corrective action
  - MVI reporting
  - Trend analysis
  - Exposure
- ✓ Incident investigation and Learning from Incidents

Education of Community and Schools

Road Safety Social Investment program

- Work with local communities, and authorities
- Education of school children
- Road safety campaigns



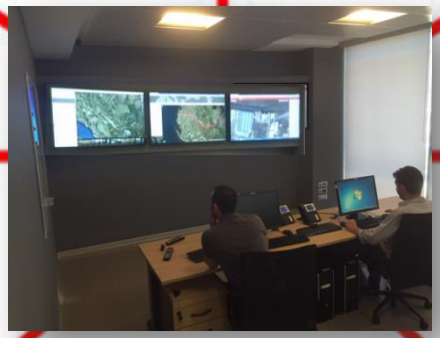
Journey Management Center

Multiple Communication Platforms

Live Vehicle Monitoring

Emergency Response Contact & Coordination

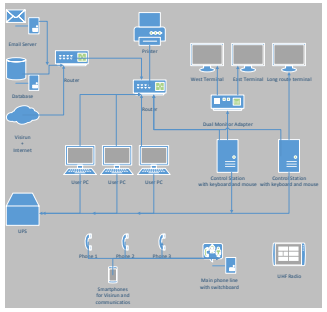
Up to date Weather & Road Condition Reports



Database of all Vehicles & Drivers

Daily, Weekly & Monthly Reporting

24 / 7
Operation
Fully Manned 24/7



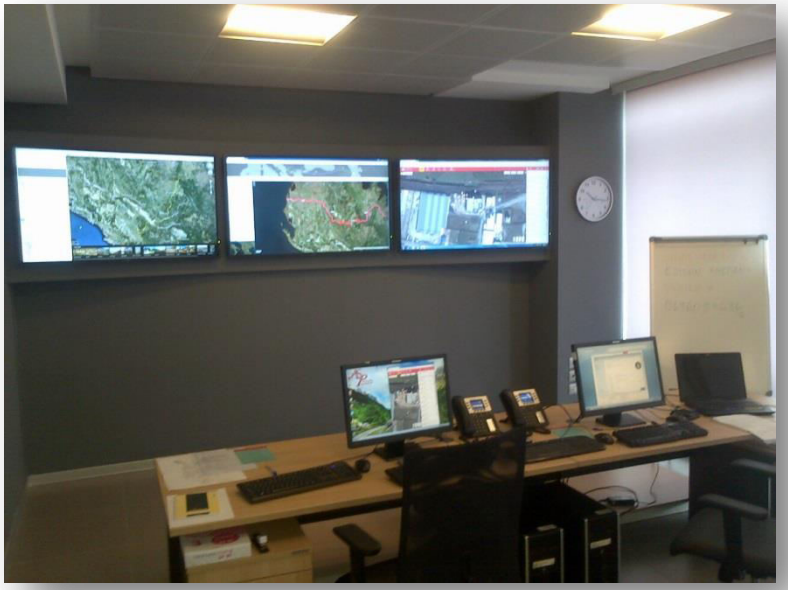
Main features of the IVMS

Display all your vehicles' locations on the map, in real time

- Track and Trace
- Send real-time messages to drivers and operators
- Control route, distance (KM), drive times, stop times
- Receive alarms for unplanned stops, movements, speed limits
- Control if a vehicle enters or leave a specific area
- Keep in touch with drivers and operators on the field in real time

Journey Management Center

- A dedicated room
- 2 Dedicated journey coordinators and a further separate desk for data analysis
- Live monitoring using displays
- Ability to switch to a long distance tracking screen including Durres and Tirana
- Wall mounted maps showing the project map



Communication

- Mobile phone
- Dedicated Land line
- Dedicated mobile phone numbers
- UHF Base station linking to base stations in the main pipeline camps (Tetra radios)
- Ability to send group texts
- Computer with common Email address and linked to GIS

Live In Vehicle Monitoring (IVMS)

Phase 1 (Prior to IVMS)

- Manual recording of journeys through driver calls
- Long journeys marked on a map by magnetic markers
- Started monitoring of installed IVMS devices

Phase 2 (transition to all IVMS)

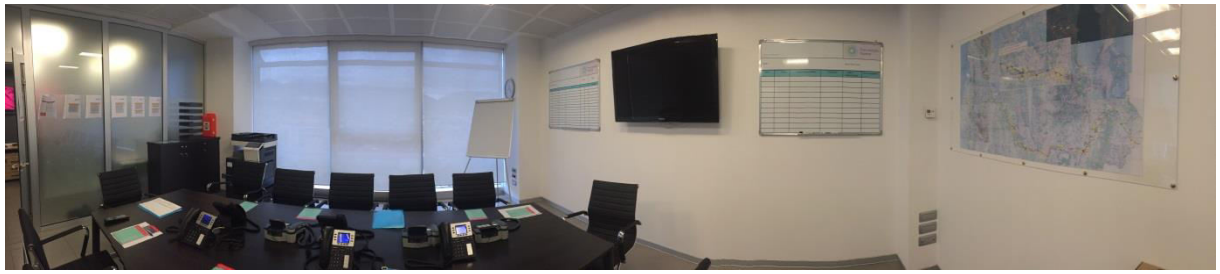
- Journeys tracked on dedicated monitors using IVMS
- Breakdown and vehicle accident monitoring

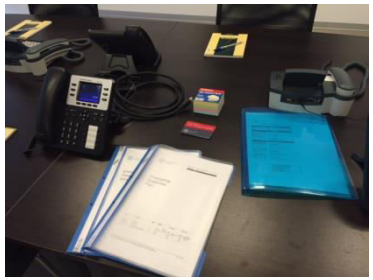
Emergency Response Contacts

- All emergency contacts displayed on a large wall mounted board:

  Police ; Ambulance ; Fire dpt ; Breakdown Companies / contractor

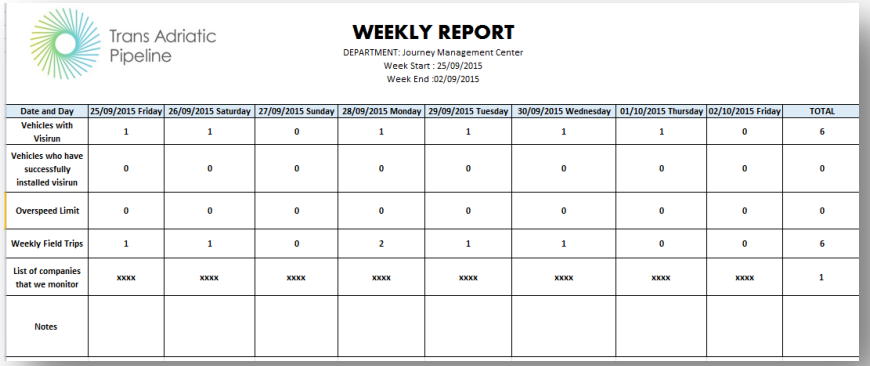
- Helicopter service
- TAP / Contractor Representative emergency contacts





Database

- All vehicles details held in a simple database
- Each vehicle given a TAP reference number (by type of vehicle)
- Database with qualifications and training of all drivers
- Each authorized driver given a unique TAP number will be added to the training passport



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WEEKLY REPORT

DEPARTMENT: Journey Management Center
Week Start : 25/09/2015
Week End :02/09/2015

Date and Day	25/09/2015 Friday	26/09/2015 Saturday	27/09/2015 Sunday	28/09/2015 Monday	29/09/2015 Tuesday	30/09/2015 Wednesday	01/10/2015 Thursday	02/10/2015 Friday	TOTAL
Vehicles with Visirun	1	1	0	1	1	1	1	0	6
Vehicles who have successfully installed visirun	0	0	0	0	0	0	0	0	0
Overspeed Limit	0	0	0	0	0	0	0	0	0
Weekly Field Trips	1	1	0	2	1	1	0	0	6
List of companies that we monitor	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1
Notes									

24/7 Operation

Phase 1

- Manned continuously by two person working 8 hour shifts (on the job training and monitoring)

Phase 2

- Three shifts required 0500 - 1300 and 1300 - 2100 and 2100 to 0500
- Extensive training and competency testing is being provided

Reporting

- Monitoring of IVMS and immediate alert of violations considered to be 'zero tolerance'
- Daily report of km driven, number of vehicles, violations etc. to Company / Contractor Reps
- Weekly report in graphic form to in-Country Management
- Monthly report in graphic form to Corporate Management

Driving and Weather reporting

- Daily weather report and road status issued by SMS
- Extreme weather events alerted by SMS in real time
- Road conditions and notification of accidents alerted by SMS in real time
- Any events noted by Project personnel noted to the JMC for relay via SMS

THANK YOU