



20/06/2025

EGIS Operation & Maintenance

IMAGINE
CREATE
ACHIEVE
a sustainable future

Combien de tunnels sont exploités par EGIS ?

Combien de tunnels sont exploités par EGIS ?

- En Europe

- Autriche (4)
- Belgique (3)
- Croatie (6)



- Aux UAE

- Al Aqa' a Tunnel
- Palm Jumeirah Tunnel

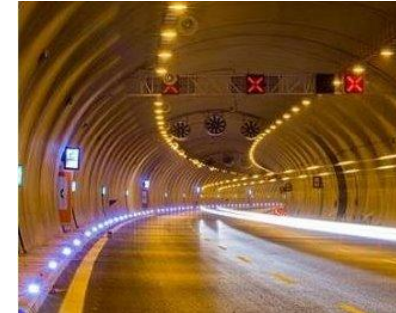


- En Australie

- Westconnex (5)



- Ireland (3)
- Portugal (4)
- UK (5)
- Turquie (4)



- En Grèce – Egnatia Odos
 - 76 tunnels en plus
 - Plus 50 km en plus

Au total : 36 tunnels (sans la Grèce)
97 kilomètres d'ouvrage
Dans 11 pays



Tunnels (and bridges)* WG

Working Group
Leaders



Didier Martinho
Working Group leader
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Pascal BLANC
Working Group co-leader
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WG members :



MARTINHO Didier
Egis Road Operation
(France)



BLANC Pascal
Egis Road Operation
(France)



AKDENIZ Onur
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KILKOYNE Kieran
Egis Road Operation
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KOMORCEC Ivan
BLVT
(Croatia)



NURKAN Seyit
GIB
(Turkey)



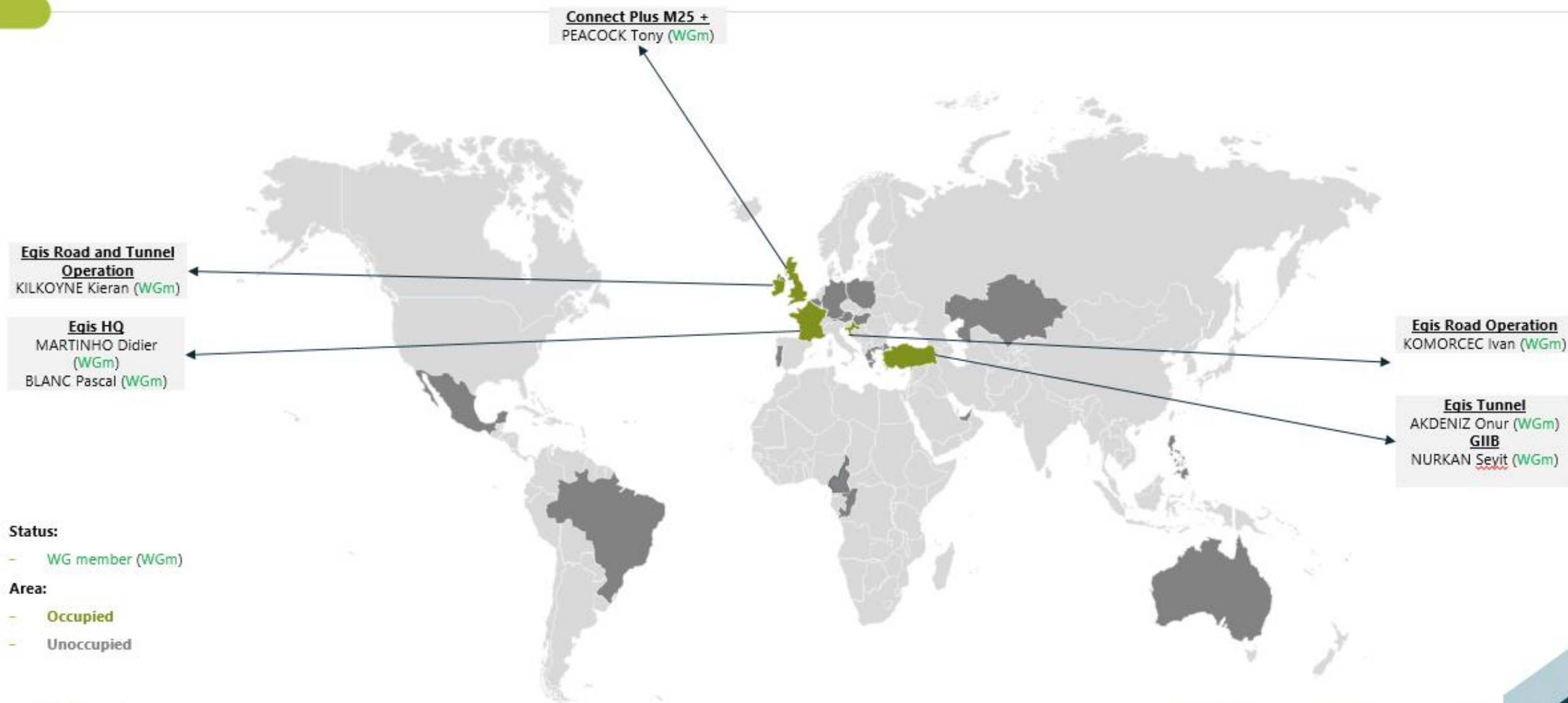
PEACOCK Tony
Connect Plus Services
(UK)

* proposition to extend to bridges to be discussed with members

Tunnels WG

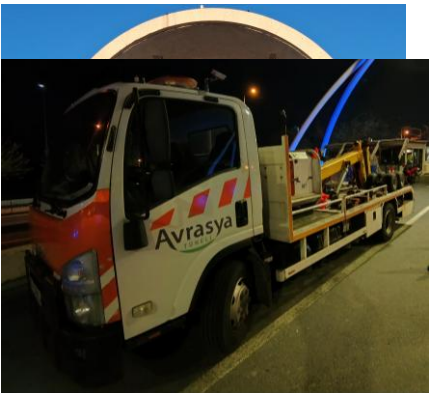
- ❑ The scope of the Tunnel WG is to exchange with internal peers on tunnel technical matters aiming at cross fertilisation between O&M Companies.
- ❑ The knowledge comes directly from the road tunnel day-to-day activities of the members, but also from their participation to national or international forums and conferences.
- ❑ The outcome can be varied like knowledge management notes (following sound discussions), good practice, articles, presentations...
- ❑ There is a frequency of meeting every quarter approx., which does not prevent in-between exchanges as necessary. A good part of the meeting is sharing recent experience that other members can learn from or react to.
- ❑ To ensure that safety aspects are taken into account in all activities, the Tunnel Safety Officer ensures that skills, responsibilities and processes are applicable to everyone. A module is provided to help improve safety event management.

Working Group Members and Correspondents



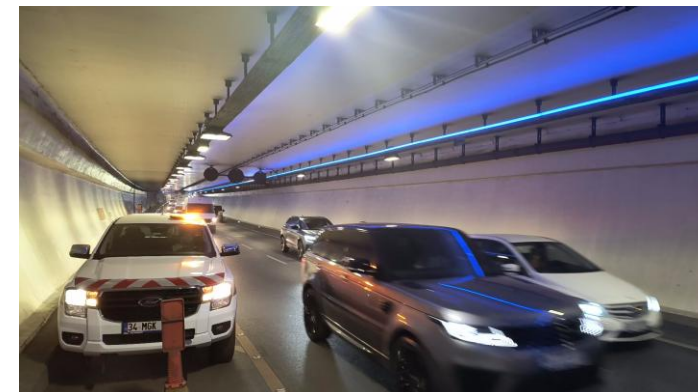
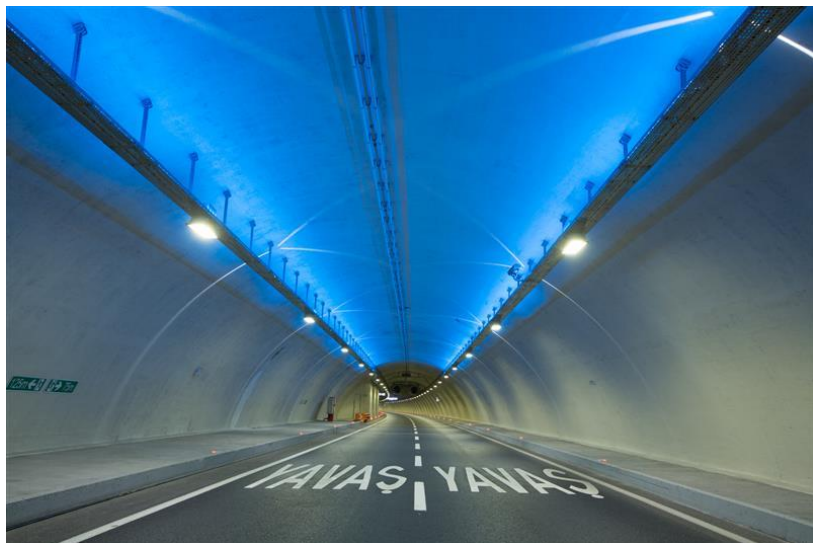
Eurasia Tunnel - Istanbul

Name of the tunnel	Eurasia Tunnel
Commissioning	ETI
Single or Double bore	2x2 Channels duplex
Number of lanes by direction	2 lane both deck
Urban tunnel or connecting tunnel	Urban (Istanbul)
Traffic level per day	80.000 s/d in 2024 (daily average)
Cars (in percent)	100%
Heavy truck (in percent)	Forbidden
Monitoring – (24hours a day, or not)	24 hr.
Specific equipment	First Response Motorcycle Motorcycle Trailer Patrollers Tow trucks Sweeper Tunnel Wall Washer
Number of events in 2024	2145 incident in 2024



Eurasia Tunnel - Istanbul

Innovation : le dispositif Pace-Maker



Eurasia Tunnel - Istanbul

General summary of 2024 is as below;

- 2145 incidents occurred in 2024.
- 198 accidents occurred with 25 injuries and no fatalities.
- The three main event types of 2024 are coming from Breakdown / Towed Vehicle (65.41%), Accident (9.18%), Banned Vehicle (7.04%). These three types of events constitute 81.63% of all incidents.
- 2 fire incidents occurred in 2024, both inside the tunnel
- 42.98% of breakdown incidents due to motor fault.
- 922 of breakdown incidents due to motor fault.
- The average intervention time was 01 min 48 sec seconds and average completion time was 11 min 09 sec for solving an incident in 2024.
- 14 tunnel closures were applied in 2024.
- 2 safety drills were carried out in the tunnel in 2024

Eurasia Tunnel - Istanbul

Incendie d'une camionnette le 12 mars 2024



- 12h31 – Alarme DAI
- 12h31 – Départ des motos de 1^{ère} intervention
- 12h31 – Lancement scenario incendie
- 12h32 – Fermeture des 2 péages aux têtes
- 12h32 – Attaque du feu par l'impliqué
- 12h33 – Arrivée du motard de 1^{ère} intervention
- 12h35 – Arrivée du patrouilleur qui confirme l'extinction du feu
- 12h39 – Arrivée des pompiers
- 12h40 – Réouverture du sens non impacté
- 12h51 – Evacuation du véhicule
- 12h55 – Réouverture de sens impliqué

- => 24 min de fermeture 🙌
- => Organisation interne des moyens de 1^{ère} frappe
- => Entraînement mobilisant l'ensemble des acteurs

Eurasia Tunnel - Istanbul

Tentative de suicide le 16 juin 2024



Eurasia Tunnel - Istanbul

Tentative de suicide le 16 juin 2024



05h40 – Présence d'un piéton détectée par le patrouilleur
05h44 – Arrivée de la police à la tête
05h50 – Fermeture du sens Asie vers Europe et mobilisation des pompiers
06h27 – Arrivée Ambulance
06h33 – Arrivée d'un négociateur
06h39 – L'impliquée est prise en charge dans l'ambulance
06h45 – Réouverture

=> 55 min de fermeture

=> Mobilisation des moyens plus lente

=> Vigilance à la multiplicité des événements - Limite de la formation // Plus-value du partage d'expérience

Eurasia Tunnel - Istanbul

Série d'évènements à quelques minutes le 31 mars 2025



Eurasia Tunnel - Istanbul

Série d'évènements à quelques minutes le 31 mars 2025



Eurasia Tunnel - Istanbul

Série d'évènements à quelques minutes le 31 mars 2025



Débriefing – Principales causes

1. Manque de concentration suite à la série d'évènements.
2. Interpretation et oubli de la part du patrouilleur.
3. Pas de confirmation de l'alerte

Débriefing – Actions à mener

1. Reformulation de l'alerte
2. Confirmation de la reception de l'alerte
3. Création de message d'alerte type
4. Révision de la procedure "gestion d'évènements simultanée" avec ajout de priorisation
5. Révision des CME sur la disponibilité des ressources en véhicules

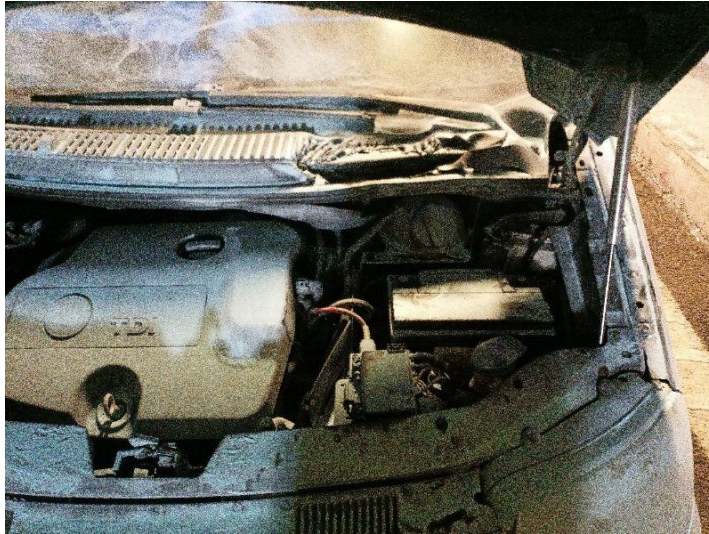
Castro DAIRE Tunnel - Portugal

Name of the tunnel	Tunnel de Castro DAIRE
Commissioning	ERO
Single or Double bore	Double Bore
Number of lanes by direction	2
Urban tunnel or connecting tunnel	Connecting
Traffic level per day	14 010 in 2024 (daily average)
Traffic level per day during summer	25 990
Cars (in percent)	86,30%
Heavy truck (in percent)	12,01%
Monitoring – (24hours a day, or not)	24 hr.
Specific equipment	Wall washer, LED lighting
Number of events in 2024	23



Castro DAIRE Tunnel - Portugal

Evènement du 31 janvier 2025



=> Réouverture 32 min après l'alarme incendie 👍

MERCI DE VOTRE ATTENTION



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