

# Dräger fire and rescue train



Emergency crews are often faced with insurmountable obstacles while carrying out rescue operations in underground tunnel systems. Particular problems include poor visibility due to smoke, and long escape routes.



ST-4181-2005

### Control centre:

In the personnel container and the rescue container.

Dräger Safety has developed the world's first rescue system of its kind to deal with just this type of situation: the Dräger Safety fire and rescue train. With personnel, fire-fighting and equipment containers, your response teams can be safely transported to the scene of the emergency. A special rescue container can then be used to evacuate passengers from the hazard area – the rescue operation neither affecting nor disturbing the fire-fighting work taking place at the same time.

To facilitate coordination, the trains are equipped with control centres for the chief of operations with the latest technology to suit your particular requirements. Detection, communication and radio equipment, not to mention a thermal imaging camera, allows you to monitor what is going on, and provides you with a clear picture even in conditions of poor visibility.

Quick filling systems for respiratory protective equipment give your crew greater flexibility in their work. Safety is the highest priority, and gas and temperature sensors are fitted inside and out to warn rescued people and emergency teams of any hazard in good time.



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### Personnel container:

Holders for respiratory protective equipment and storage boxes.

Innovative Dräger Safety technologies offer you the greatest possible safety: the containers can be hermetically sealed to protect those inside from the contaminated surrounding air. The breathing air in the container is provided by on-board air tanks, and is cleaned and prepared for re-breathing in a closed circuit system. This means that emergency crews and the people they have rescued can remain safely in the container for several hours, without the need for breathing masks. The use of positive pressure equipment, air locks and smoke extraction systems, as well as a multistage smoke retention system, means that the amount of smoke which is let into the container when people enter is minimized. The combination of these specially designed protection systems allows your rescue personnel to cope with emergency situations like tunnel disasters.

The Austrian Federal Rail Company ÖBB, the Swiss Rail Companies SBB, BLS and RhB, and German Railways DB AG already use and rely on Dräger Safety technology.

We design our fire and rescue containers to suit your requirements, with capacities, use time and fire-fighting technology according to your individual specifications. Thanks to our cooperation partners, we are even able to build you self-driving rescue trains.

## SUBSIDIARIES

**AUSTRALIA**

Draeger Safety Pacific Pty. Ltd.  
 Axxess Corporate Park  
 Mt. Waverley. Vic 3149  
 Tel +61 3 92 65 50 00  
 Fax +61 3 92 65 50 95

**CANADA**

Draeger Canada Ltd.  
 7555 Danbro Crescent  
 Mississauga, Ontario L5N 6P9  
 Tel +1 905 821 8988  
 Fax +1 905 821 2565

**P. R. CHINA**

Beijing Fortune Draeger  
 Safety Equipment Co., Ltd.  
 Beijing 101300  
 Tel +86 10 80 49 80 00  
 Fax +86 10 80 49 80 05

**FRANCE**

Dräger Safety France S.A.S.  
 3c, Route de la Fédération  
 67025 Strasbourg Cedex  
 Tel +33 388 40 76 76  
 Fax +33 388 40 76 67

**MEXICO**

Draeger Safety S.A. de C.V.  
 Av. Peñuelas No. 5  
 Querétaro, Qro México  
 Tel +52 442 246 1113  
 Fax +52 442 246 1114

**NETHERLANDS**

Dräger Safety Nederland B.V.  
 Edisonstraat 53  
 2700 AH Zoetermeer  
 Tel +31 79 344 46 66  
 Fax +31 79 344 47 90

**SINGAPORE**

Draeger Safety Asia Pte. Ltd.  
 67 Ayer Rajah Crescent # 06 03  
 139950 Singapore  
 Tel +65 68 72 92 88  
 Fax +65 67 73 20 33

**REP. OF SOUTH AFRICA**

Dräger South Africa (Pty) Ltd.  
 P.O.Box 68601  
 Bryanston 2021  
 Tel +27 11 465 99 59  
 Fax +27 11 465 69 53

**SPAIN**

Draeger Safety Hispania S.A.  
 Calle Xaudaró 5  
 28034 Madrid  
 Tel +34 91 728 34 00  
 Fax +34 91 729 48 99

**UNITED KINGDOM**

Draeger Safety UK Ltd.  
 Kitty Brewster Industrial Estate  
 Blyth, Northumberland NE24 4RG  
 Tel +44 1670 352 891  
 Fax +44 1670 356 266

**USA**

Draeger Safety, Inc.  
 101 Technology Drive  
 Pittsburgh, PA 15275  
 Tel +1 412 787 8383  
 Fax +1 412 787 2207

**Dräger Safety AG & Co. KGaA**  
**Revalstrasse 1**  
**23560 Luebeck, Germany**  
 Tel +49 451 882 0  
 Fax +49 451 882 2080  
[www.draeger-safety.com](http://www.draeger-safety.com)