

The BBC Disaster series examines the world's most dramatic catastrophes using brilliant BBC footage, recreations and interviews with key decision makers. This acclaimed docudrama approach speaks to the viewers in a way nothing else can.

Now available in a totally new format with expert training support material developed by FutureMedia, this series awakens the need for safety consciousness at every level of an organisation.

No one who experiences these powerful training programs will be unaffected by the essential lessons they convey.

What makes up the BBC Disaster Series?

The BBC Disaster Series is designed to help organisations make that vital move from the 'belief' that things can't go wrong, to the 'knowledge' that they can. The 12-part series utilises case studies of major disasters from around the world from various industries, such as oil and gas, transport, aviation, aeronautics and space, chemical manufacturing and hospitality. Each workshop provides participants an unforgettable learning experience by giving them a feel of the real-world scale of loss – both human and monetary, and the avoidable mistakes which lead to it. It thus helps them understand the importance of a planned, systematically-applied approach to health and safety needs.

Titles in the series:

- 1 Spiral to Disaster: Piper Alpha Training Package
- 2 Crash in the Dark: The Severn Tunnel Train Crash
- 3 Fatal Error: Choosing the Wrong Engine Training Package
- 4 Unflyable Plane Training Package
- 5 Cut Price Tragedy Training Package
- 6 Channel Tunnel Fire Training Package
- 7 Major Malfunction Training Package
- 8 Kansas City: Death by Design Training Package
- 9 Wrong Stuff Training Package
- 10 One Night in Bhopal Training Package
- 11 Piper Alpha: Human Price of Oil Training Package
- 12 Kings Cross: Beneath the Flames Training Package

What is the format of the programs?

The workshops follow an innovative case study approach and provide a highly-interactive learning environment in which participants undertake detailed Pre-event, Event and Post-event (P-E-P)* analyses of each disaster. This means that they not only listen, but also apply the lessons learnt in order to formulate solutions specific to their own workplace; they not only learn about what went wrong, but also how it could have been avoided.

Why is the case study approach so successful?

In the words of psychologist Lauren Slater: "We most fully integrate that which is told as a tale." Thus, the viewing of these real-life case studies is particularly well-placed to keep staff focussed on the potential for human and engineering failures in their own workplace.

What are the possible training applications?

The workshops are designed to help employees, safety professionals and all levels of company management understand the need for:

- a) Consultative planning & communication in Workplace Health & Safety matters;
- b) Application, maintenance, review & update of Workplace Health & Safety management systems;
- c) Clear definition & delegation of Workplace Health & Safety responsibilities;
- d) Unambiguous training of staff (at all levels) on how to fulfil their Workplace Health & Safety responsibilities;
- e) Contingency planning for Workplace Health & Safety failures (i.e. fire, first-aid, security, evacuation, clean-up, incident investigation);
- f) The right to speak-up – and be heard – regarding Workplace Health & Safety matters.

How is training facilitated?

Each easy-to-understand workshop in the series can even be run by facilitators with minimal experience in presenting training courses. In addition, tips and guidelines are included to help facilitators with every aspect of the workshop.

Each comprehensive package includes the disaster video along with the following support material:

- Facilitator's Guide, including Facilitator's Checklist
- Facilitator's Slide Guide
- Participants' Handouts
- PowerPoint presentation

Special feature: Users may customise the support material according to their individual requirements – organisations may add their company logo or make the training material otherwise more personal to their company. Only the images and BBC logo are copyright of the British Broadcasting Corporation Worldwide. All other textual material is free of any copyright restrictions.

Delivery options for content.

Each training package is available in the following formats:

1. As a training DVD to allow in-house facilitators to conduct as a group workshop.
2. As customised content licensed for your company's intranet, from where employees can access it anytime, anywhere.
3. As content streamed from the Internet, so that you do not have to host it on your own servers and still maintain flexibility of access.

*Trademark pending

1. Spiral to Disaster: Piper Alpha Training Package



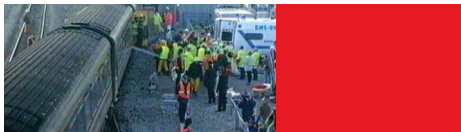
This workshop utilises a case study of the explosion and fire at the Piper Alpha oil platform in the North Sea which resulted in the loss of 167 lives. A disaster which could have been, if not totally averted, dramatically changed in course without the horrible loss of human life.

Duration: 30 Mins Location: North Sea

Training Applications: (NB this is serious viewing for 'major hazard facilities')

- Oil, gas and offshore platform engineering
- Safety design issues
- Permit-to-work procedures
- Emergency procedures
- Safety and rescue systems – incl. equipment
- Management decision making – production output versus safety considerations
- Statutory policymaking (national and international law)
- Contractor and subcontractor issues
- Training and accreditation issues
- Handling and storage of dangerous goods
- Communication techniques
- Allocation of responsibility issues

2. Crash in the Dark: The Severn Tunnel Train Crash



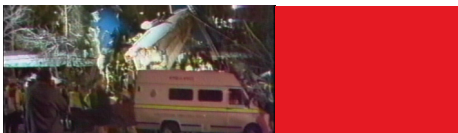
This workshop focuses on a case study of the 1991 passenger train collision in the 6.5km long tunnel under the River Severn in England. 185 people were injured. Rescuers did not reach the train until two hours after the incident.

Duration: 30 mins Location: U.K.

Training Applications:

- Rail and rolling-stock engineering
- Safety design issues
- Permit-to-work procedures
- Emergency procedures
- Safety and rescue systems
- Contractor and subcontractor issues
- Training and accreditation issues

3. Fatal Error: Choosing the Wrong Engine Training Package



This workshop details the events pertaining to a shuttle flight to Belfast – “Flight 92” in 1989. Following a vibration from a fan blade breakdown, the pilots followed the manual for a shut-down drill but closed the good engine, resulting in a motor-way crash land in which 47 people lost their lives.

Duration: 30 mins Location: U.K.

Training Applications:

- Aircraft engineering
- Safety design issues
- Emergency procedures
- Training and accreditation issues
- Communication techniques
- Inter-agency conflicts

4. Unflyable Plane Training Package



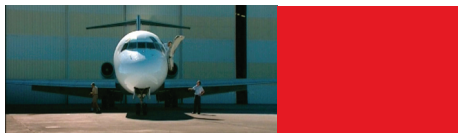
Soon after take-off, in 1989, a United Airlines flight lost its No. 2 engine, and the cockpit crew learned that not one but all three hydraulic systems had failed. This case study analyses how an event considered a 'billion-to-one' likelihood of occurring, DID occur; and raises questions as to how far do we manage risk. It also portrays the role of across-the-board teamwork in emergency situations. The outcomes of this event also resulted in the alteration of all DC10s, which potentially also prevented the loss of many lives in the future.

Duration: 30 mins Location: U.S.A

Training Applications:

- Aircraft engineering
- Safety design issues
- Emergency procedures
- Safety and rescue systems
- Statutory policymaking
- Training and accreditation issues

5. Cut Price Tragedy Training Package



This workshop investigates the unfortunate plunge into the Florida Everglades of the Valuejet DC-9 flight in 1996. The FAA found that poor airline maintenance and outsourcing of vital services were the causes of the death of everyone on board the fateful flight.

Duration: 30 mins Location: U.S.A.

Training Applications:

- Aircraft engineering
- Safety design issues
- Handling and transport of dangerous goods
- Emergency procedures
- Safety and rescue systems
- Management decision making – profitability versus safety considerations
- Statutory policymaking
- Contractor and subcontractor issues
- Inter-agency conflicts

6. Channel Tunnel Fire Training Package



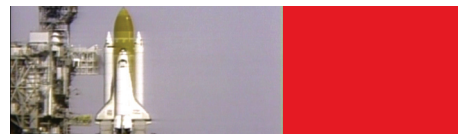
In 1996, the Eurotunnel Shuttle caught fire which spread throughout its carriages. Fire officers had issued a prior warning that the open-sided design of the carriages may prove dangerous. But poor management resulted in 34 people being entrapped for six hours, as 450 firefighters battled with dense toxic smoke to save their lives.

Duration: 30 mins Location: U.K./France

Training Applications:

- Rail and rolling-stock engineering
- Tunnel engineering
- Safety design issues
- Handling and transport of dangerous goods
- Emergency procedures
- Safety and rescue systems
- Crew resourcing
- Statutory policymaking (national and international issues)
- Contractor and subcontractor issues
- Transport controls
- Management decision making – operational profit versus safety considerations
- Statutory policymaking
- Training and accreditation issues

7. Major Malfunction Training Package



The engineers of the Challenger knew that vital rocket seals of the space shuttle would fail at low temperatures, and they struggled with NASA management to delay its launch. But management took an 'acceptable risk' with the lives of seven astronauts- including a teacher who was to have talked to schoolchildren from space that day.

Duration: 30 mins Location: U.S.A

Training Applications:

- Aero-space/advanced technology engineering
- Safety design issues
- Emergency procedures
- Safety and rescue systems
- Management decision making – success at all costs versus safety considerations
- Statutory policymaking
- Contractor and subcontractor issues
- Training and accreditation issues
- Communication techniques

8. Kansas City: Death by Design Training Package



The worst accidental structural disaster in the United States occurred in a Kansas City hotel in 1981, when a set of suspended walkways collapsed. This workshop details the causal events – from the design flaws to the problems experienced by the emergency services, all adding up to 114 deaths and 200 injuries.

Duration: 30 mins Location: U.S.A.

Training Applications:

- Structural engineering
- Safety design issues
- Permit to work procedures
- Emergency preparedness
- Safety and rescue systems
- Management decision making – fast-tracking versus safety considerations
- Statutory policymaking
- Contractor and subcontractor issues
- Training and accreditation issues
- Town planning
- Allocation of responsibility issues
- TRIAGE planning

9. Wrong Stuff Training Package



In 1978, a DC-8 flight approaching Portland, Oregon disappeared from sight and radar in minutes. “Wrong Stuff” is an extensive analysis into the psychological causes of airline disasters, which include pilots taking on more responsibility than they can handle and their failure to work as a team.

Duration: 51 mins. Location: U.S.A

Training Applications: (NB this is serious viewing for human resource personnel involved with high risk businesses.)

- Safety design issues
- Emergency procedures
- Safety and rescue systems
- Management decision making – operational profits versus safety considerations
- Studies in the psychology of individual leadership vs teamwork
- Crew resourcing
- Training issues
- Communication techniques
- Allocation of responsibility issues
- Engineering-based safety vs people-based safety

10. One Night in Bhopal Training Package



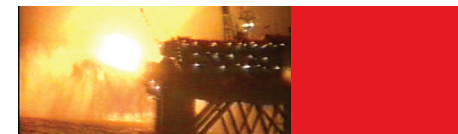
This is the story of the world's worst industrial disaster: Union Carbide – one of America's most powerful corporations opened a pesticide-manufacturing plant in Bhopal. Five years later in 1984, financial pressures and cost-cutting decisions turned the plant into a time bomb, and the leaked poisonous gas cost the lives of thousands.

Duration: 59 mins. Location: India

Training Applications: (NB this is another serious video for 'major hazard facilities' to view)

- Chemical manufacturing
- Safety design issues
- Permit to work procedures
- Emergency procedures
- Safety and rescue systems
- Management decision making – production output versus safety considerations
- Statutory policymaking (national and international law)
- Cultural issues (ethics and values)
- Training and accreditation issues
- Handling and storage of dangerous goods
- Communication techniques
- Town planning
- Allocation of responsibility issues
- TRIAGE planning.

11. Piper Alpha: Human Price of Oil Training Package



The Piper Alpha oil platform in the North Sea exploded in 1988 – this program investigates the factors which led to the disaster. 35 survivors validated that the Risk Analyst's advice of commissioning rigs and differing designs of Norwegian oil platforms jeopardised safety and claimed the lives of 167.

Duration: 40 mins Location: North Sea

Training Applications:

- Oil, gas and offshore platform engineering
- Safety design issues
- Permit-to-work procedures
- Emergency procedures
- Safety and rescue systems
- Management decision making – production output versus safety considerations
- Statutory policymaking (national and international law)
- Contractor and subcontractor issues
- Training and accreditation issues
- Handling and storage of dangerous goods
- Communication techniques
- Allocation of responsibility issues

12. Kings Cross: Beneath the Flames Training Package



It was the worse fire in the history of London Transport. This workshop explores the response of the staff and public reactions to crisis situations. It also shows how simple safeguards could have been put in place which could've saved the lives of the 31 fatalities.

Duration: 30 mins Location: U.K.

Training Applications:

- Safety design issues
- Emergency procedures and their maintenance
- Safety and rescue systems and their maintenance
- Management decision making – operational costs versus safety considerations
- Training issues
- Communication techniques
- Allocation of responsibility issues
- Crowd control considerations
- TRIAGE planning

BBC Disaster Series: Pricing and ordering information

Title	Industries					Duration	Unit Price* (AUD)
	Oil & Gas	Aviation	Railways	Construction	Chemicals		
Channel Tunnel Fire Training Package						30 mins	\$595
Crash in the Dark: the Severn Tunnel Train Crash Training Package						30 mins	\$595
Cut Price Tragedy Training Package						30 mins	\$595
Fatal Error: Choosing the Wrong Engine Training Package						30 mins	\$595
Kansas City- Death by Design Training Package						30 mins	\$595
King's Cross: Beneath the Flames Training Package						30 mins	\$595
Major Malfunction Training Package						30 mins	\$595
One Night in Bhopal Training Package						59 mins	\$595
Piper Alpha: Human Price of Oil Training Package						40 mins	\$595
Spiral to Disaster: Piper Alpha Training Package						30 mins	\$595
Unflyable Plane Training Package						30 mins	\$595
Wrong Stuff Training Package						51 mins	\$595
Special Series Price* (all 12 DVDs): AUD \$4275 *Prices listed are exclusive of 10% GST. All DVDs are available in PAL and NTSC formats.							

Quantity discounts:

No. of copies	Discount	Total (AUD)	Savings
3	10%	\$1,600	\$185
4	15%	\$2,020	\$360
5	20%	\$2,380	\$595
6	25%	\$2,678	\$892
7	30%	\$2,915	\$1,250
8	35%	\$3,094	\$1,666
Special Series Price (all 12 DVDs)		\$4,275	\$2,865

Orders within Australia: Purchases are subject to a postage and handling charge of \$17.50 +GST. **Credit Card Surcharge:** MasterCard and Visa: 2% AMEX: 4%

International orders: Please contact FutureMedia for details on international delivery and freight charges.

Intranet licencing:

With Intranet licencing, FutureMedia can licence your organisation to put the entire BBC Disaster Series or individual titles on your company's Intranet, where you and your employees can access it from multiple locations (sites), anytime, anywhere!

The licence fee is based on the number of employees who can access the content. The cost is also determined by the terms of the licence period eg. one, two or three years. This way you can train your employees at minimal cost per person.

For order requests or further information, please contact us.



FutureMedia Pty Ltd
Level 3, 75 King St, Sydney, NSW 2000 Australia
tel: +612 9279 4499 fax: +612 9279 4488

email: info@futuremedia.com.au www.futuremedia.com.au

FAQs:

• NTSC | PAL | SECAM

There are 3 major television standards in the world – NTSC, PAL and SECAM.

A DVD should play in any country on a computer or electronic notebook with a disc drive and an appropriate player application (such as Windows Media Player, VLC Media Player etc.)

If you want to play a DVD on a DVD player for viewing on a television set, you need to use a DVD created in the standard used in your country. If you are unsure as to which standard is used in your country, please contact FutureMedia.

We offer DVDs in NTSC and PAL formats. If your country uses SECAM, you will only be able to play the DVD on a computer/electronic notebook, and not on a DVD player. DVDs may be made available in SECAM on special request, if you'd like to use it for television viewing.

• Having trouble playing back your DVDs on a computer?

Technical difficulties arise sometimes when playing a DVD or CD on a computer. If you experience such problems, some of the following may help:

1. Shut down your player application, reinsert the disc into the drive and play again.
2. If using Windows Media Player, try playing the DVD on VLC Media Player. If you're using VLC Media Player, try using Windows Media Player.
3. Try playing the DVD/CD on a different computer.

• Copyright/Terms and Conditions:

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