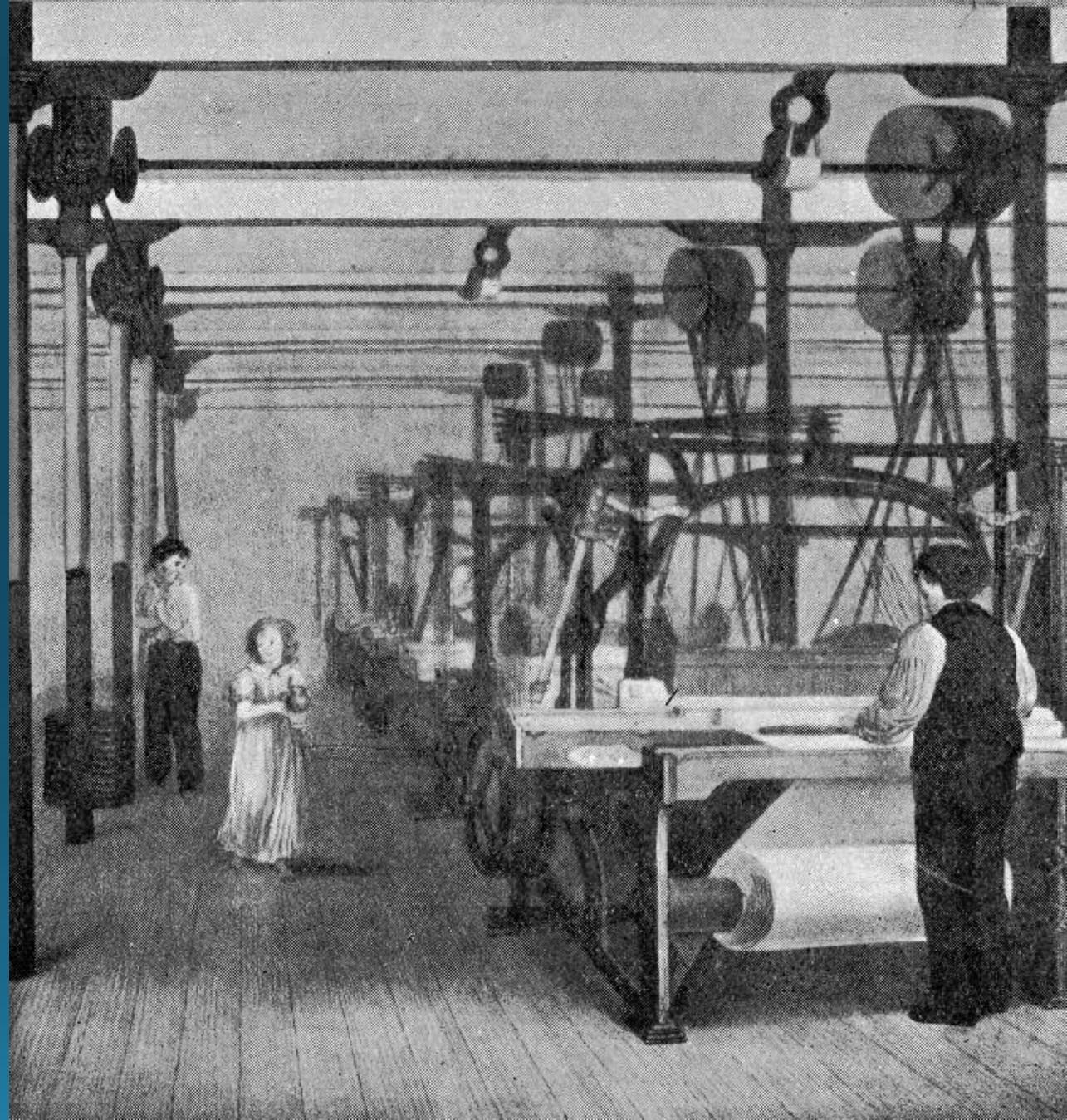


“Learning from the Past, Planning for the Future”

In the beginning.....

Factory Act 1802

- Act for the preservation of the Health and Morals of Apprentices and others employed in Cotton and other Mills, and Cotton and other Factories 1802

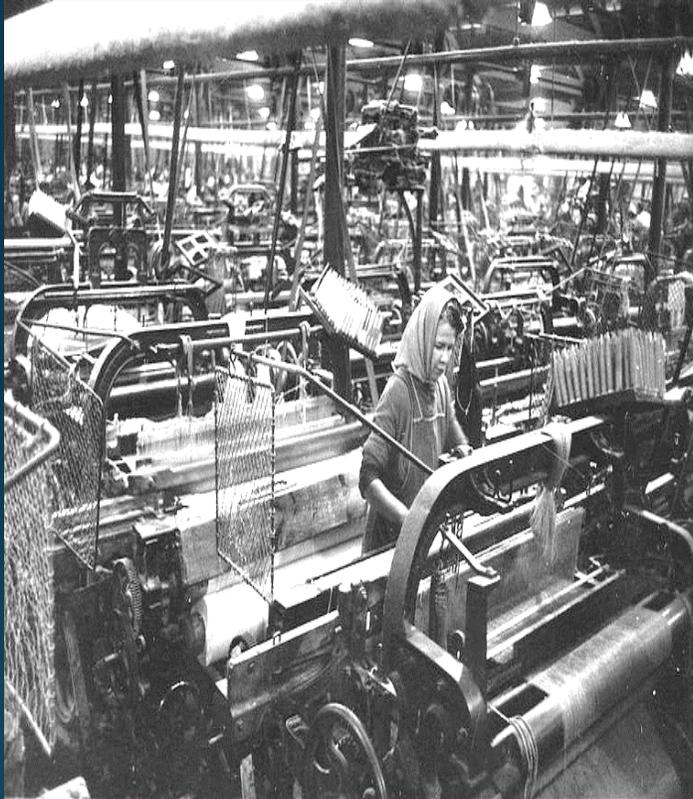


1904 Prosecutions

Provision	Code	Offence	Remarks
1 0 0	5 0	Employment during of meal times (a) women	2 Informations (see 60) Sent to Glasgow 29/1/04
1 0 0	11 0	Employment at etc meal times (a) young person	2 Informations (see 2) Sent to Glasgow 2/2/04
12 6	12 6	Employment during 5 Informations meal times (a) women	(see 53) Sent to Industrial at Glasgow 17/2/04
1 0 0	2 6	Fencing machinery 1 Infr.	Sec 10 Sent to Glasgow 8/2/04
2 6	2 0	Certificate of Fitness 1 Infr. (a) Young Person	Sec 63 Sent to Glasgow 4/2/04
10 0	5/0	Employment beyond legal number of	Sec 26 Sent to Glasgow 15/1/04
5 0 0	3 6	Truck Act 1871 1 Infr. Manufacturing firm a woman without frat having affixed a proper Contract notice.	Truck Act 1871, Sec 1, (a) Adjd. for judgment see 16/1/04 From 17/1/04 Sent to Glasgow with other over leaf.

12 6	12 6	Employment during 5 Informations meal times (a) women
1 0 0	2 6	Fencing machinery 1 Infr.
2 6	2 0	Certificate of Fitness 1 Infr. (a) Young Person
10 0	5/0	Employment beyond 2 Infrs. legal number of hours on Saturday

The 1950's – 1970's



Factories Act (Northern Ireland) 1938



Fatal Industrial Accidents

The total number of workpeople (other than seamen) whose deaths from accidents in the course of their employment were reported in the United Kingdom during 1953 was 1,401. The total number of fatal accidents to seamen serving on vessels registered in the United Kingdom which were reported during the year was 224.

A detailed analysis of these figures is given below. The figures in this article are provisional.

	Number		Number
Mines and Quarries		Works and Places under ss. 105, 107, 108, Factories Act, 1937.	
Under Coal Mines Act :		Docks, Wharves, Quays and	
Underground	342	Ships	46
Surface	47	Building Operations	194
Metalliferous Mines	9	Works of Engineering Con-	
Quarries	48	struction	59
TOTAL	446	Warehouses	6
Factories		TOTAL, FACTORIES ACT ..	764
Clay, Stone, Cement, Pottery and		Railway Service	
Glass	33	Brakemen, Goods Guards ..	9
Chemicals, Oils, Soap, etc. ..	42	Engine Drivers, Motormen ..	9
Metal Extracting and Refining ..	22	Firemen	4
Metal Conversion and Founding		Guards (Passenger)	2
(including Rolling Mills and		Labourers	9
Tube Making)	99	Mechanics	4
Engineering, Locomotive Build-		Permanent Way Men	85
ing, Boilermaking, etc. ..	54	Porters	18
Railway and Tramway Carriages,		Shunters	16
Motor and other Vehicles and		Other Grades	29
Aircraft Manufacture	23	Contractors' Servants	6
Shipbuilding	41	TOTAL	191
Other Metal Trades	11	Total (excluding Seamen) ..	1,401
Cotton	5		
Wool, Worsted, Shoddy	7	Seamen	
Other Textile Manufacture	8	Trading Vessels	136
Textile Printing, Bleaching and		Fishing Vessels	88
Dyeing	8	TOTAL	224
Tanning, Currying, etc.	—	Total (including Seamen) ..	1,625
Food and Drink	23		
General Woodwork and Furniture			
Paper, Printing, etc.	10		
Rubber Trades	3		
Gas Works	17		
Electrical Stations	13		
Other Industries	14		

- 1625 Fatal Incidents in the UK in 1953*

- 143 Fatal Incidents in UK in 2022

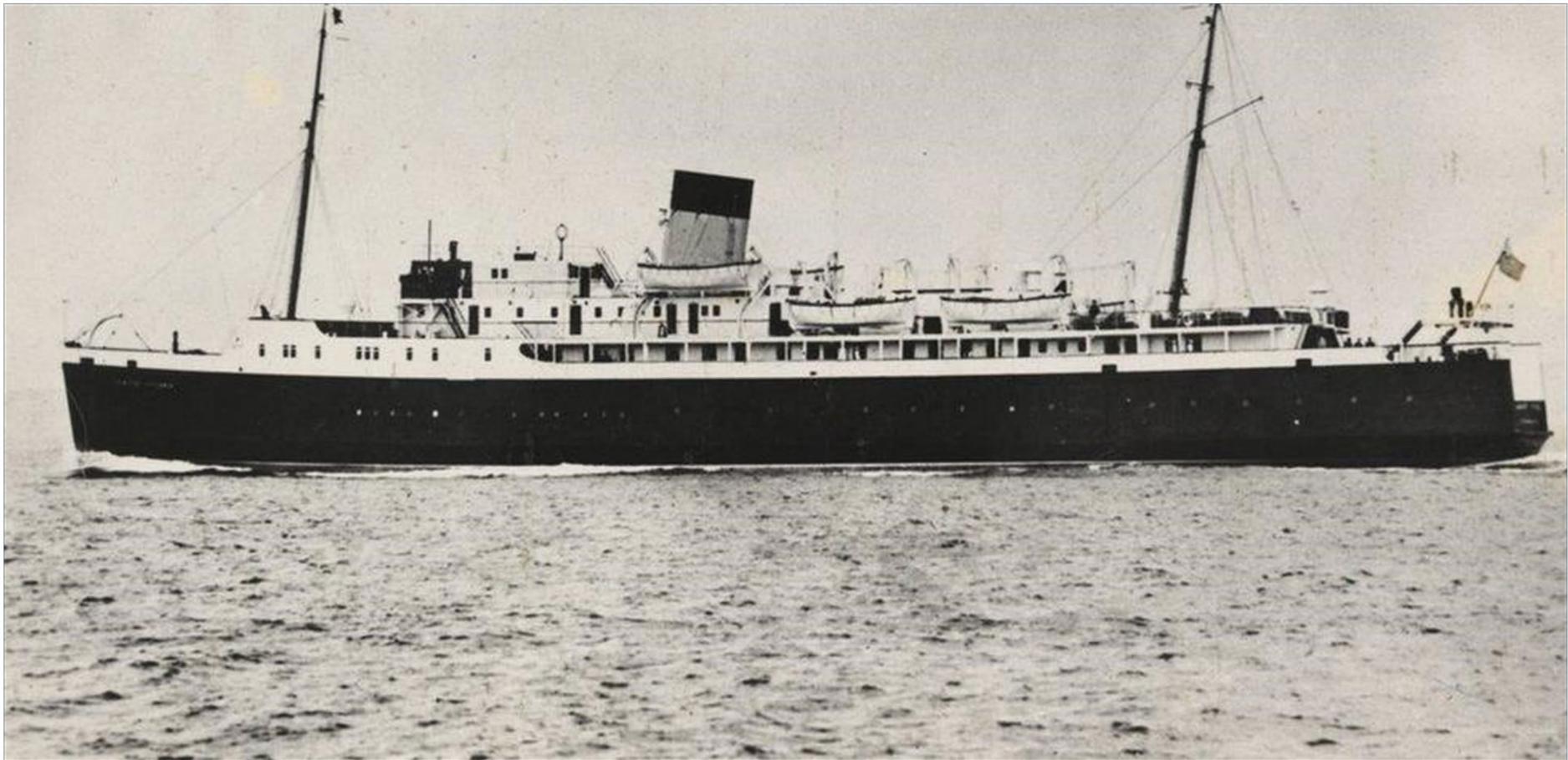


Factories Act
(Northern Ireland) 1965

BELFAST
HER MAJESTY'S STATIONERY OFFICE
TEN SHILLINGS NET

- Specific to Factories, other industries had their own Acts and Regulations
- Prescriptive
In relation to walls '.....shall once in ever period of fourteen months be washed with hot water and soap.....'

1953



1966 Aberfan

116 Children and 28 Adults Killed

Mines & Quarries Act duties did not extend to 'others'

'We recommend that this limitation in the Act be removed and that the owners and managers of mines, and also the Inspectorate of Mines, should be required to consider the safety, health and welfare of all persons going about their lawful business in the vicinity of a mine, including the safety of their property'



1974 Flixborough



Seveso, Italy in 1976

EU 'Seveso' Directive 1982

COMAH 1999



The Change

1978 No. 1039 (N.I. 9)

NORTHERN IRELAND

The Health and
Safety at Work
(Northern Ireland)
Order 1978

Laid before Parliament in draft

Made 25th July 1978

Coming into operation in accordance with Article 1(2)



It shall be the duty of every employer to ensure, so far as is reasonably practicable, the health, safety and welfare at work of all his employees.

It shall be the duty of every employer to conduct his undertaking in such a way as to ensure, so far as is reasonably practicable, that persons not in his employment ... are not thereby exposed to risks to their health or safety.



**HEALTH
AND
SAFETY
AGENCY**

FOR NORTHERN IRELAND

**HEALTH AND SAFETY
AT WORK**

(NORTHERN IRELAND) ORDER 1978

**WHERE
CAN YOU
OBTAIN ADVICE?**

NISG – Trusted source of advice

5. SAFETY GROUPS

(1) Northern Ireland Occupational Health and Safety Group

The Occupational Health and Safety Group can provide advice and information on many aspects of industrial safety both from the point of view of management and legislation. Meetings are held monthly, normally in The Training Centre, Boucher Road, Belfast BT12 6HR.

(2) Northern Ireland Occupational Health and Safety Group (Construction Branch)

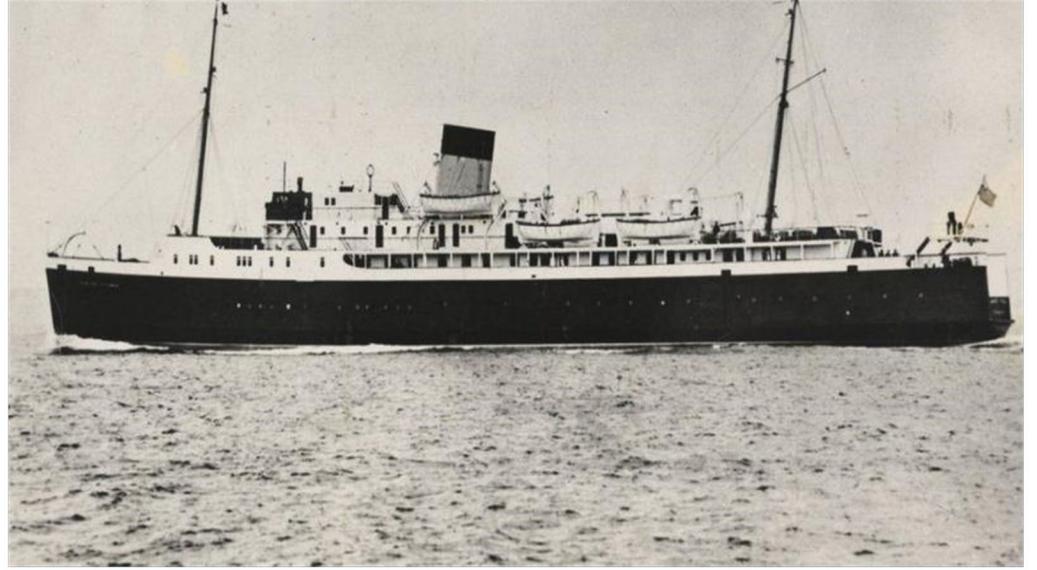
Again general advice on construction safety, both from the point of view of management of safety and also legislation. Bi-monthly meetings are held.

'Six Pack' & the influence of European Directives





1987



1953



Piper Alpha - 1988

Cullen Report – Key Safety Culture Recommendations

- Commitment by top management
- Creating a resilience culture – safety is understood to be, and is accepted as, the number one priority
- Involvement of the workforce



Ladbroke Grove

Signal Passed at Danger

- 1988 Clapham Junction (35)
- 1989 Purely Station (5)
- 1999 Ladbroke Grove (31)

hse ni
CONTROLLING RISK TOGETHER



The New Millenium

The Courts

Corporate Manslaughter

- 2007 Introduction of Corporate Manslaughter
- 2010 First Corporate Manslaughter Prosecution in NI
- £187,000 fine

Gross Negligence Manslaughter

- George Brown – 2 year custodial sentence ‘
Castlerock Gas Case’
- Norman McKenzie – 1 year Custodial – Fall of worker
from roof.

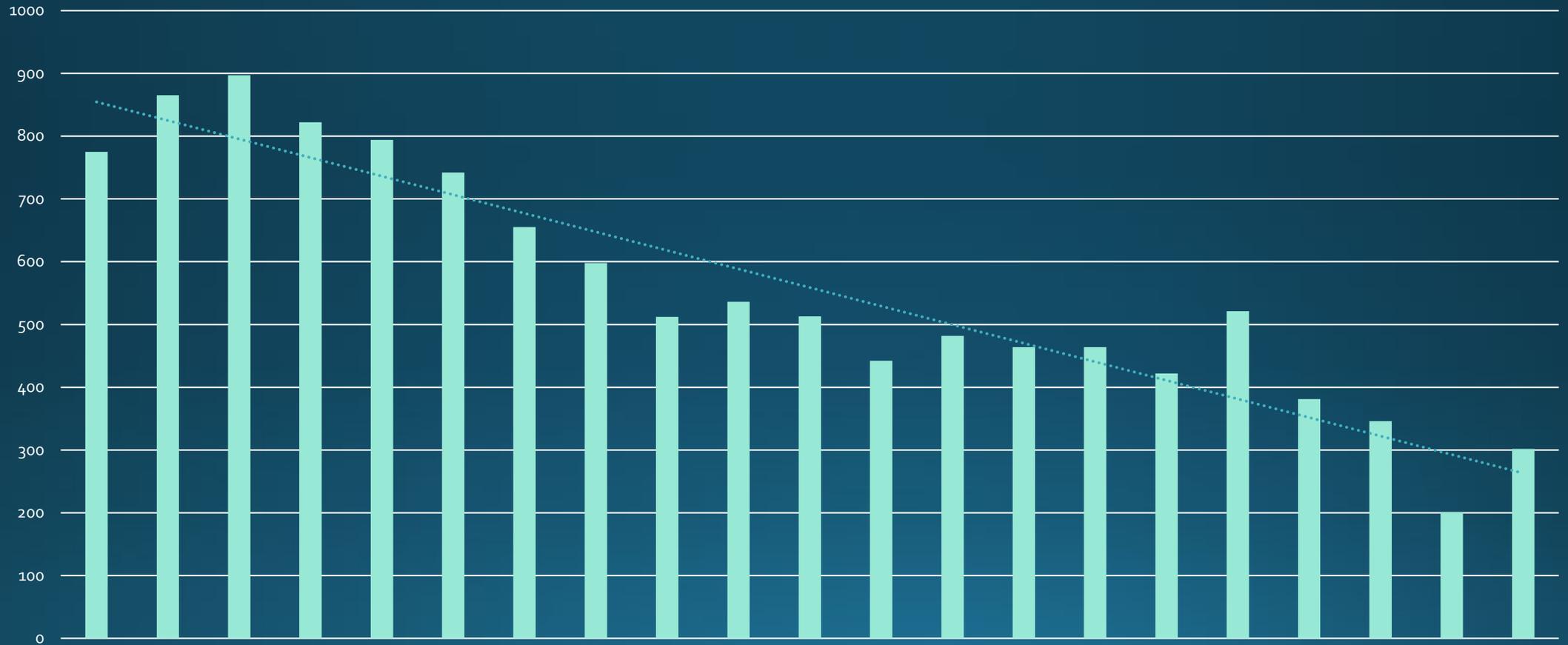
General Health & Safety Offences under HSWO

- Highest Fines Since 2018
 - HSE 5100000 (5.1 Million)
 - HSENI 150,000 (150 Thousand)

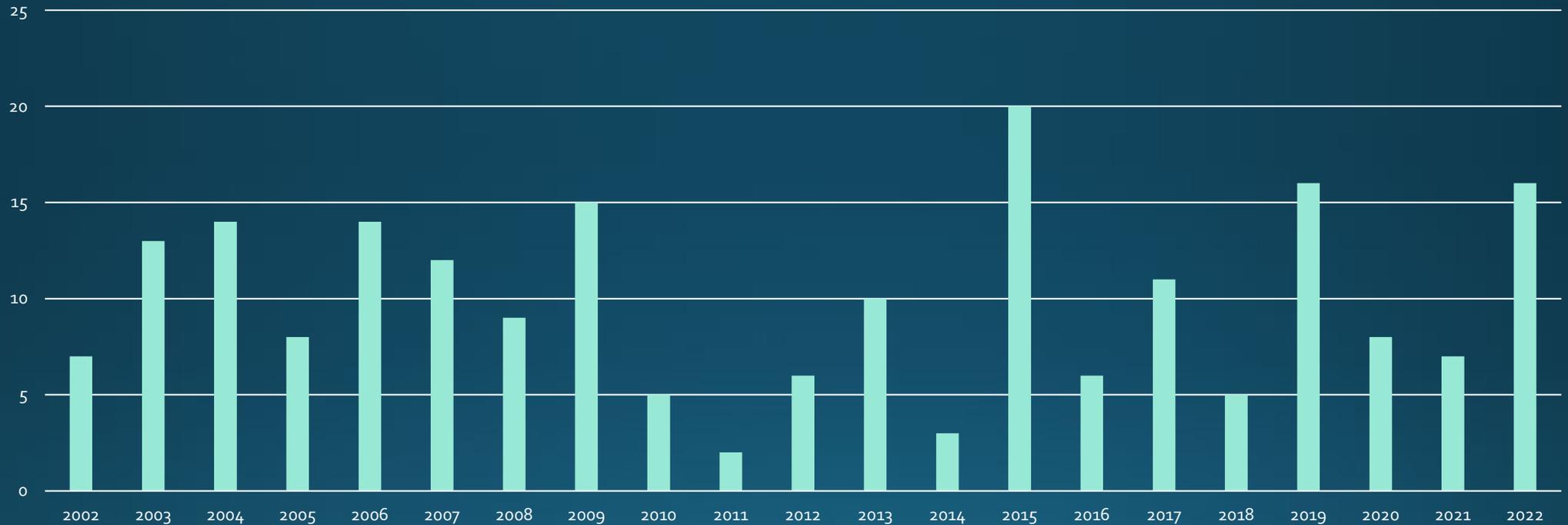




Fatal & Major Accidents 2001 to Present

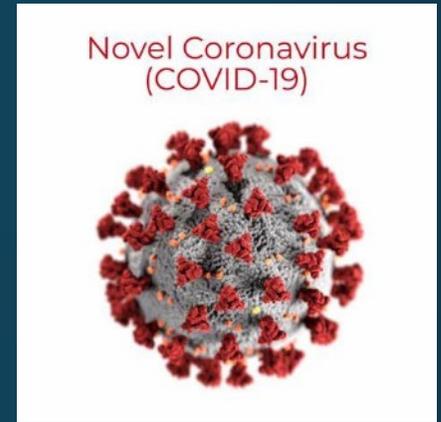


Fatal Accidents 2001 to Present



Recent History

- Brexit & The Windsor Agreement
- COVID 19
- Creeslough





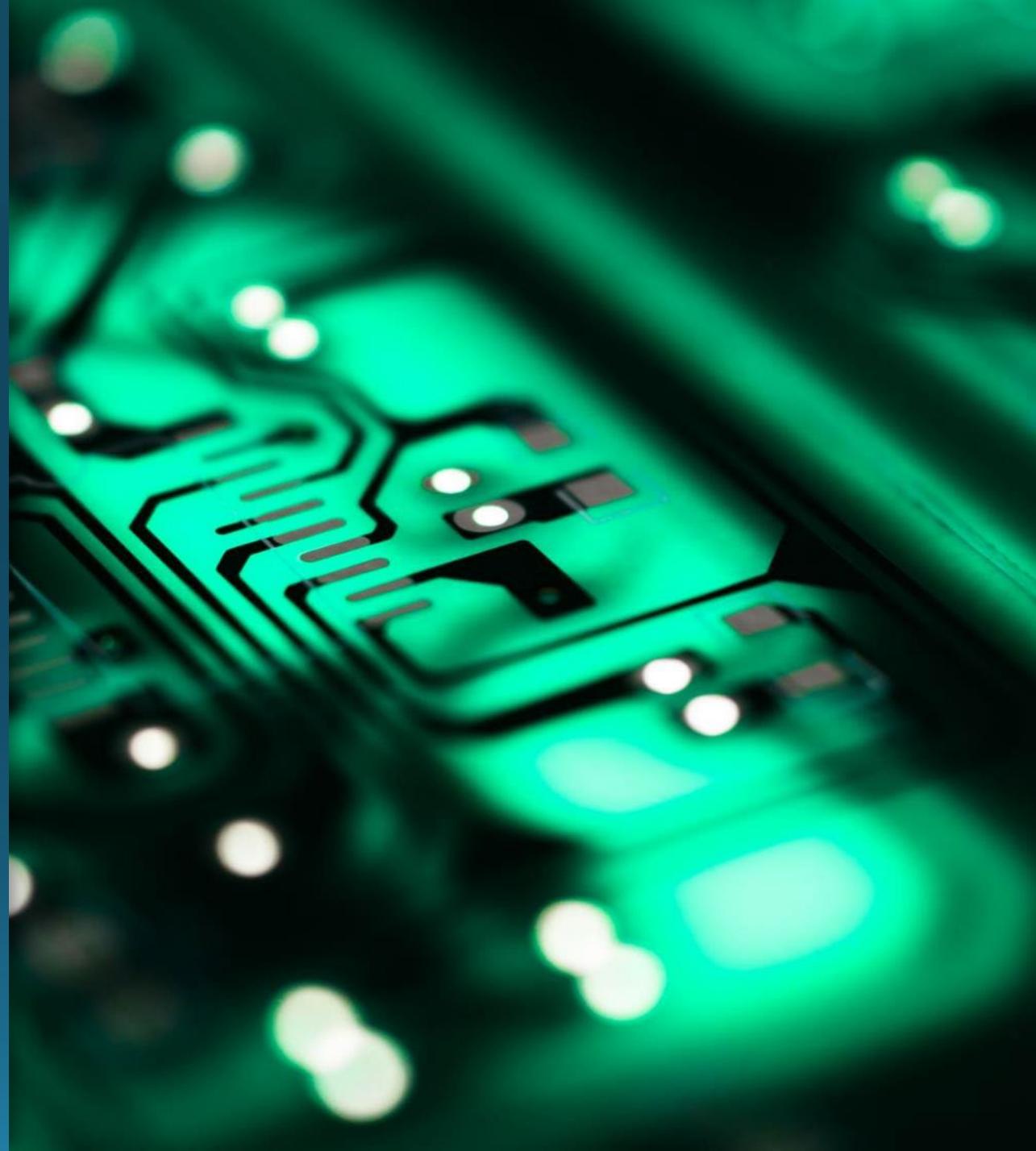
Predicting the future

- Tricorder
- Universal Translator
- Wireless Ear Buds
- Voice Activated AI
- Hypospray
- Video Conferencing
- Phasers

- Warp Drive?
- Teleporter?

Future Opportunities and Challenges

- Net Zero & Alternative Energy
- Battery Technology
- Artificial Intelligence
- Autonomous Vehicles
- Climate Change
- Aging workforce
- Changing Employment
- Fatigue & Burnout



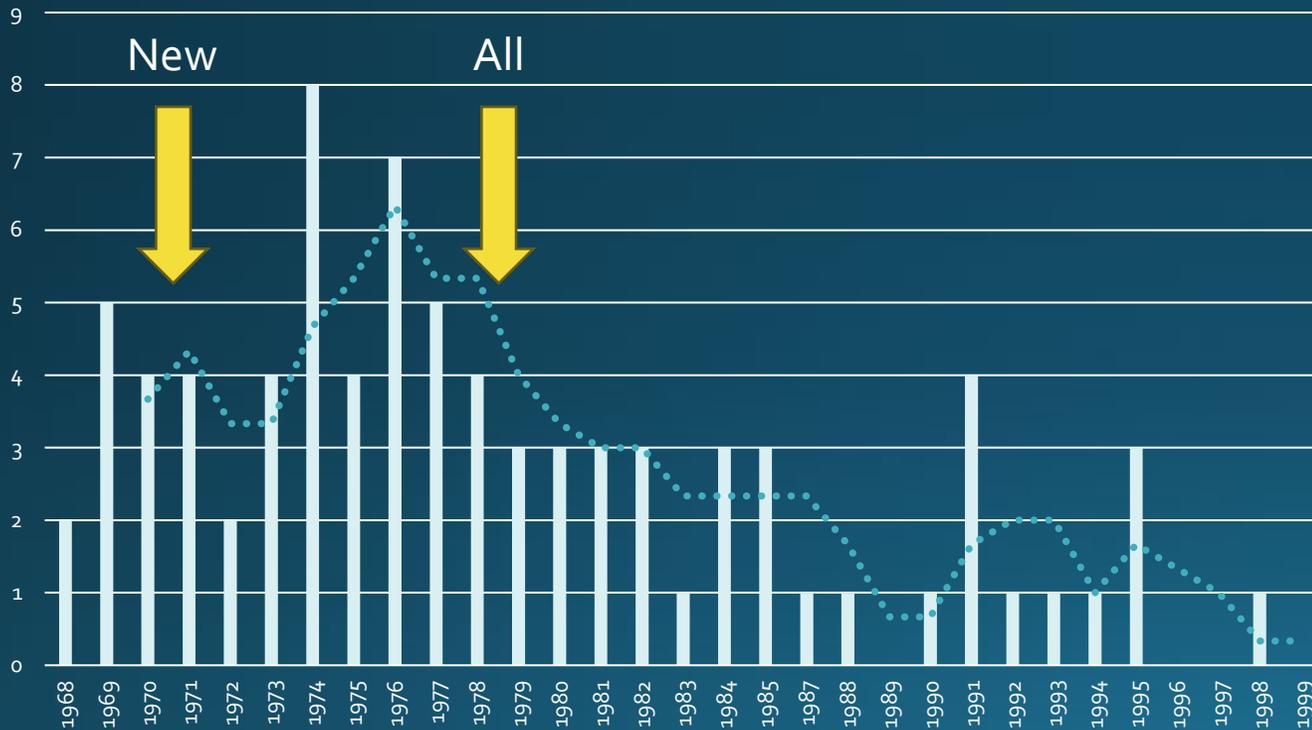
Can technology reduce risk?



- In the decade since Ladbroke Grove, the risks associated with SPADs have fallen by 85%,
- Much of the reduction has come from Train Protection Warning Systems.

Can Regulation save lives?

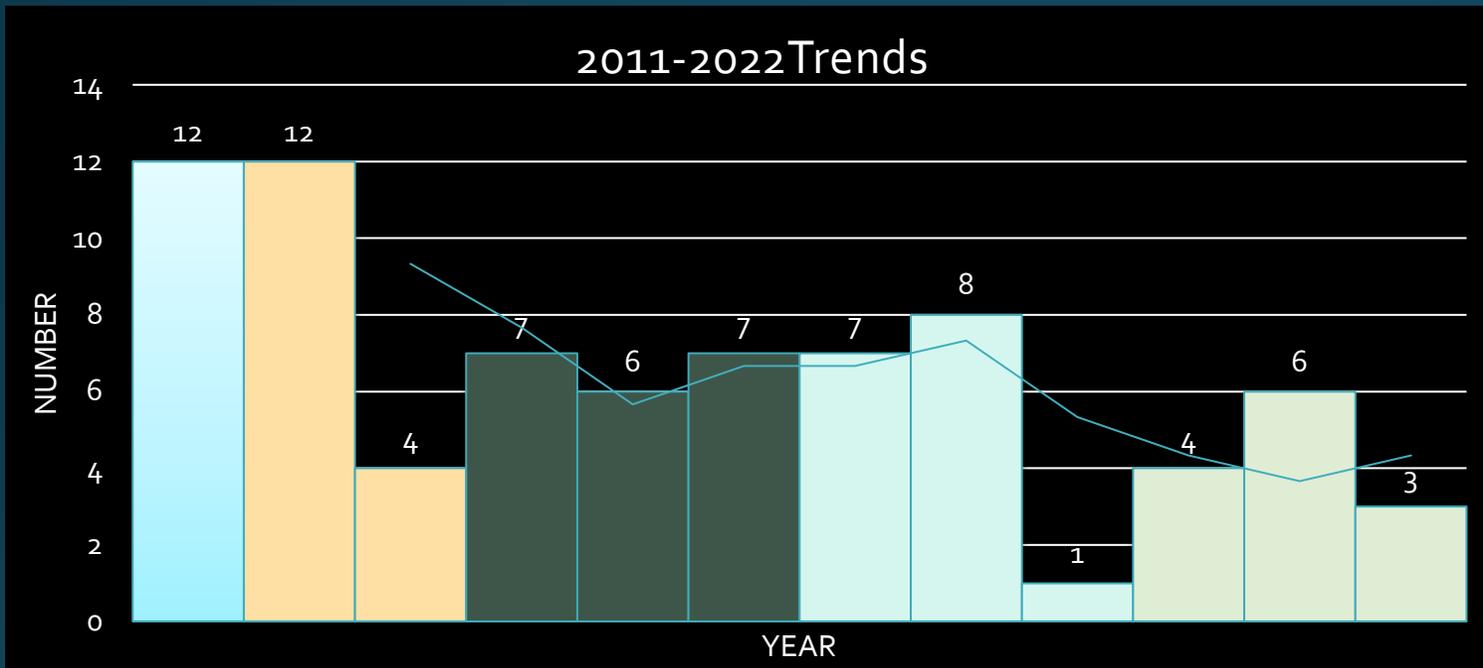
Fatality by Tractor 'roll over'



Agriculture (Tractor Cabs) Regulations (Northern Ireland) 1978



Can Partnership save lives?



Thank you and Congratulations

- Millenium Bug
- Asbestos Campaign
- Maintenance Safety Initiative
- Buildhealth
- Workplace Health Leadership Group
- Farm Safety Partnership - Affiliate

