SHiFT
SAFETY & HEALTH IN FIBRE TELECOMS GROUP

ProGARM®
PROTECTING LIVES

Welcome to the SHiFT Conference & Expo 26

Heart of England Events & Conferencing, Coventry.

SHiFT

SAFETY & HEALTH IN FIBRE TELECOMS GROUP

Please welcome your host for today:

SHiFT
SAFETY & HEALTH IN FIBRE TELECOMS GROUP

Darren Lethem

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Review of the aims of the SHiFT Group

Mike Jones

SHiFT Vice Chair

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A view on Safety

Jeff Carter
ITS Technology
Field Director

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Behavioural Safety

H&S Angels

Daisy Silcock & Lynsey Mason

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Beyond Compliance

ProGARM

Oliver Mason

ProGARM®
PROTECTING LIVES

ProGARM

PROTECTIVE LINE

BEYOND COMPLIANCE: SOLVING THE REAL CHALLENGES IN ARC FLASH PROTECTION

TRUST THE ARC FLASH SPECIALISTS

WWW.PROGARM.COM

ARE YOU COMPLIANT?

REMAINING COMPLIANT CAN BE CHALLENGING.

TRUST THE ARC FLASH SPECIALISTS

INDUSTRY CHALLENGES

HEAT STRESS

Breathability of Arc Flash clothing. The importance of reducing heat stress.

CABLE STRIKES

60,000 cable strikes happen in the UK each year, averaging at 70 injuries annually.

The substantial economic costs are estimated at £2.4 billion per year

WATERPROOFS

GORE-TEX® Waterproof range are an innovation for the industry.

Lightweight, waterproof and full protection.

FITS FOR EVERY BODY

Making PPE available to all with both male and female fits. ProGARM is leading the way in inclusivity, including hijabs and other products.

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INDUSTRY TRENDS

- **RAISING AWARENESS OF GUIDANCE & CHANGING STANDARDS**
  - Layering
  - ATPV vs. ELIM
- **SINGLE LAYER CATEGORY 2 PROTECTION**
  - 8cal Single Layer
- **INCLUSIVE PPE**
  - Engineered Female Fit
  - Religious & Cultural Garment Solutions
  - Adaptive PPE

TRUST THE ARC FLASH SPECIALISTS

KNOWN KNOWNS

THERE ARE KNOWN KNOWNS. THESE ARE THINGS WE KNOW THAT WE KNOW. THERE ARE KNOWN UNKNOWNS.

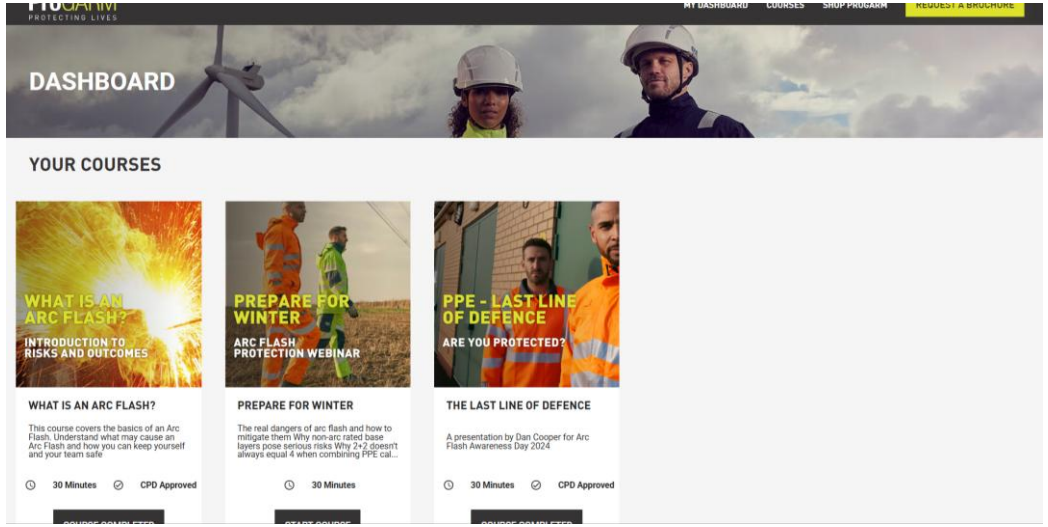
THAT IS TO SAY, THERE ARE THINGS THAT WE KNOW WE DON'T KNOW. BUT THERE ARE ALSO UNKNOWN UNKNOWNS.

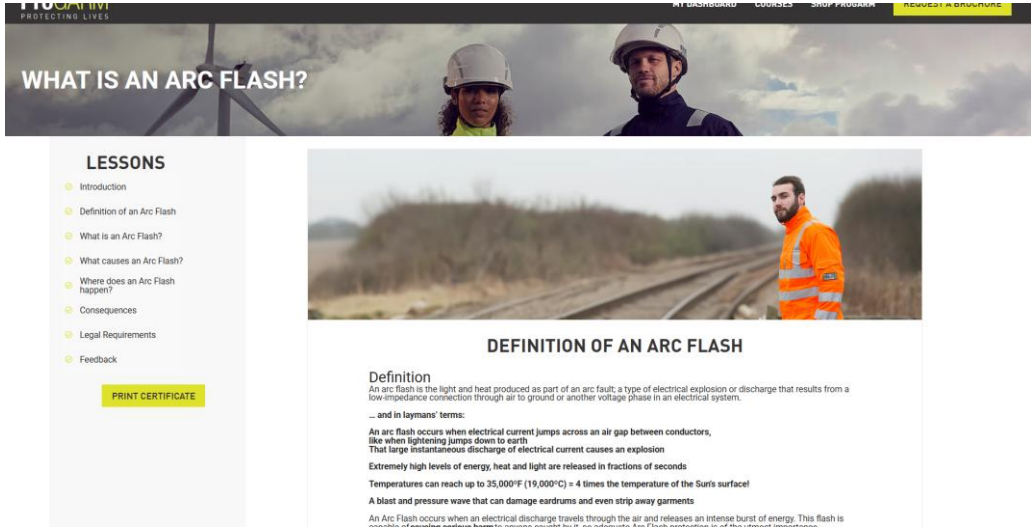
THERE ARE THINGS WE DON'T KNOW WE DON'T KNOW.

Donald Rumsfeld 2013

TRUST THE ARC FLASH SPECIALISTS

E-LEARNING TO INCREASE AWARENESS & COMPLIANCE





TRUST THE ARC FLASH SPECIALISTS

THANK YOU

OLIVER MASON

oliver.mason@progarm.com

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SPECIALISTS

ProGARM
TESTING LINE

SHIFT
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Bosch and Detection in Buildings

Robin Gooch

BOSCH

BOSCH PRO DETECTION

PRO Detector Range

	GMS 120-27 Professional	D-TECT 120 Professional	D-TECT 200 C Professional
Part Number	0601081700	0601081303	0601081600
Technology	Electromagnetic induction Sensor	Radar Sensor	Radar + Electromagnetic induction Sensor
Max detection depth	120 mm	120 mm	200 mm
Accuracy- to objects centre (mm)	N/A	+/- 10 mm	+/- 5 mm
Object tracking	Yes, displays exact location of detected object	Yes, displays exact location of detected object	Yes, displays exact location of detected object and depth of detected object
Weight	0.29 kg	0.5 kg	0.64 kg (AA) ; 0.69 kg (12V)
Power source	Triple power source - 2 x 1.5 V LR6 (AA) or 2 x 1.2 V HR6 (AA) or 1 x BA 3.7V 1.0Ah Li-Ion battery	Dual Power Source – 10.8V or 4 x 1.5 V LR6 (AA)	Dual Source: 12 V Li-Ion Battery, 4 x AA batteries,
Detection types	• Stud (detection up to 30mm) • Non-ferrious, metals (copper) (detection depth up to 120 mm) • Ferrous metals (detection depth up to 100 mm) • Live wires 100-230V (detection depth up to 50mm)	• Stud (detection up to 38mm) • Plastic pipes- with filled contents (detection depth up to 60 mm) • Live wires (detection depth up to 60mm) • Metal (detection depth up to 120mm)	• Plastic pipes, electrical cables, three-phase power cables, magnetic metals, non-magnetic metals, low-voltage & data cables, wooden beams, cavities

BOSCH

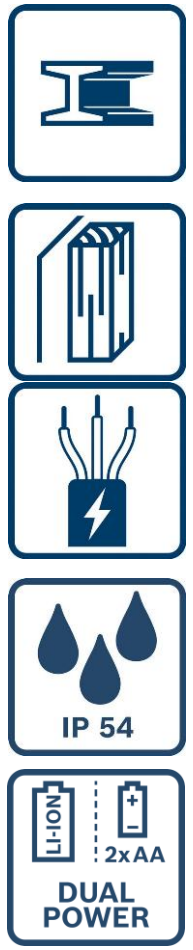
GMS 120-27

BOSCH

GMS 120-27 Professional Detector

Specs

Technical Data	GMS 120-27
Detection modes	magnetic metals (e.g. iron), non-magnetic metals (e.g. copper), live cables, wooden substructures
Max. detection depth	120 mm
Detection depth, wooden substructures, max.	30 mm
Detection depth, non-magnetic metal, max.	120 mm
Detection depth, magnetic metal	100 mm
Detection depth, live wires, max.	50 mm
Acoustic signal	Yes
Degree of protection	IP54 (dust and splash water protected)



- **Metal** (ferrous/non ferrous)
- **Live wires** (AC cables)
- **Wooden objects** (studs)

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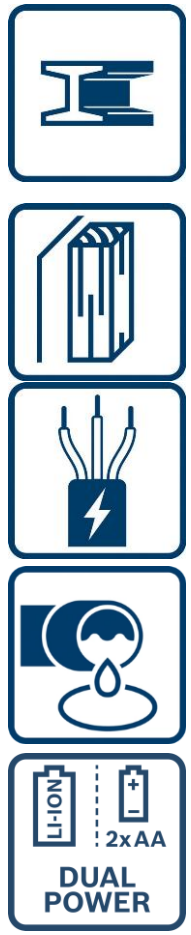
D-TECT 120

BOSCH

D-tect 120 Professional Detector

Specs

Technical Data Bosch Radar Technology	D-tect 120
Detectable objects	magnetic metals (e.g. iron), non-magnetic metals (e.g. copper), live cables, non-live cables, -filled plastic pipes, wooden substructures
Max. detection depth	120 mm
Detection depth, wooden substructures, max.	38 mm
Detection depth, non-magnetic metal, max.	120 mm
Detection depth, magnetic metal	120 mm
Detection depth, live wires, max.	60 mm
Detection depth, water-filled plastic pipes max.	60 mm



- **Metal** (ferrous/non ferrous)
- **Live wires** (AC cables)
- **Wooden objects** (studs)
- **Water-filled plastic pipe**

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D-TECT 200 C

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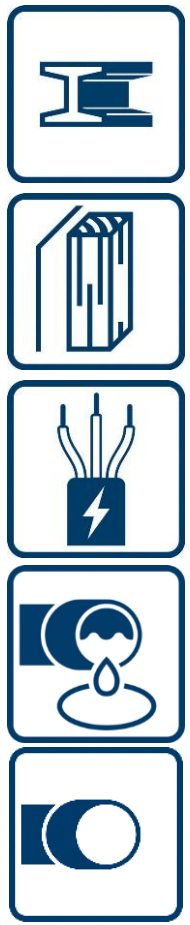
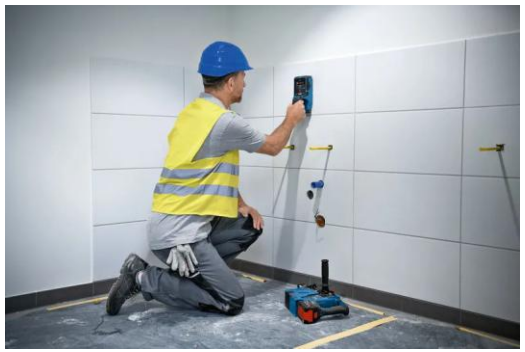
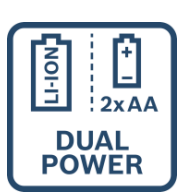
D-tect 200 C Professional Detector

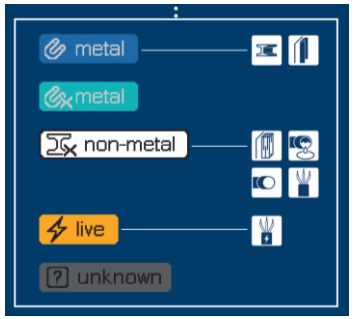
Specs

Technical Data Bosch Radar & Inductive Technology	D-tect 200 C
Detectable objects	magnetic metals (e.g. iron), non-magnetic metals (e.g. copper), live cables, non-live cables, Empty plastic pipes, water-filled plastic pipes, wooden substructures
Max. detection depth	200 mm
Detection depth, dry concrete, max. Metal / Non metal	200 mm / 80 mm
Detection depth, early age concrete, max.	60 mm
Detection depth, Wooden beams in dry walls Max.	38 mm
Detection depth, other supported wall types Max.	60 mm
Accuracy of object centre measurementA) ±5 mm	±5 mm









- **Metal** (ferrous/non ferrous)
- **Live wires** (AC cables)
- **Wooden objects** (studs)
- **Water-filled & *Empty* plastic pipe**

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BOSCH

GIC 12V-5-27 C

BOSCH

GIC 12V-5-27 C Inspection Camera

Specs

Technical Data Inspection Camera	GIC 12V-5-27 C
Camera resolution	1280 x 720 px
Screen resolution	1280 x 720 px
Screen size	5”
Documentation via	Picture, video
Size internal memory	30 photos
Connectivity	USB-C cable, Micro SD card
Robustness camera cable	IP 67
Robustness device	IP 54
Power Supply	Dual Power (12V, battery adapter)

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GIC 12V-5-27 C Inspection Camera

Camera Cable Specs

Technical Data Inspection Camera	Camera cable, 8.3 mm, 1.5m	Camera cable, 8.3mm, 3.5m
Attachment compatible with	GIC 12V-5-27 C, GIC 12V-4-23 C, GIC 5-27 C, GIC 4-23 C	GIC 12V-5-27 C, GIC 12V-4-23 C, GIC 5-27 C, GIC 4-23 C
Camera Cable Length	150 cm	350 cm
Diameter camera head	8.3 mm	8.3 mm
Camera resolution, px	1280 x 720 px	1280 x 720 px
Field of view	75°	75°
Focus Distance	30 - 80 mm	30 - 80 mm
Supports the orientation function	Yes	Yes
IP protection	IP67	IP67
Additional protection 30 min, immersed in	Diesel, petrol, motor oil, AdBlue®, ethyl alcohol, salt water (salt content 26.5%)	Diesel, petrol, motor oil, AdBlue®, ethyl alcohol, salt water (salt content 26.5%)

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SHIFT
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Break

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SHiFT SAFETY AWARDS 2026

The Most Influential in Fibre Health and Safety Award

Presented by – Daniel Gaunt SHiFT Director

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Short List

- Gordon Gray – City Fibre
- Todd Hallam – Gigaclear
- John Evans - Fibrus

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SAFETY & HEALTH IN FIBRE TELECOMS GROUP

The Most Influential in Fibre Health and Safety Award

Highly Commended

John Evans - Fibrus

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SAFETY & HEALTH IN FIBRE TELECOMS GROUP

The Most Influential in Fibre Health and Safety Award Winner

Todd Hallam - Gigaclear

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Why your Safety Culture Matters

Philip Harrison
James Harris
Sean Kenney
Sinead Linsley

Macnaughton McGregor
Training Learning Impact

Building Safer Cultures

SHiFT Group

April 23rd 2026

Conference

Macnaughton McGregor
Training Learning Impact

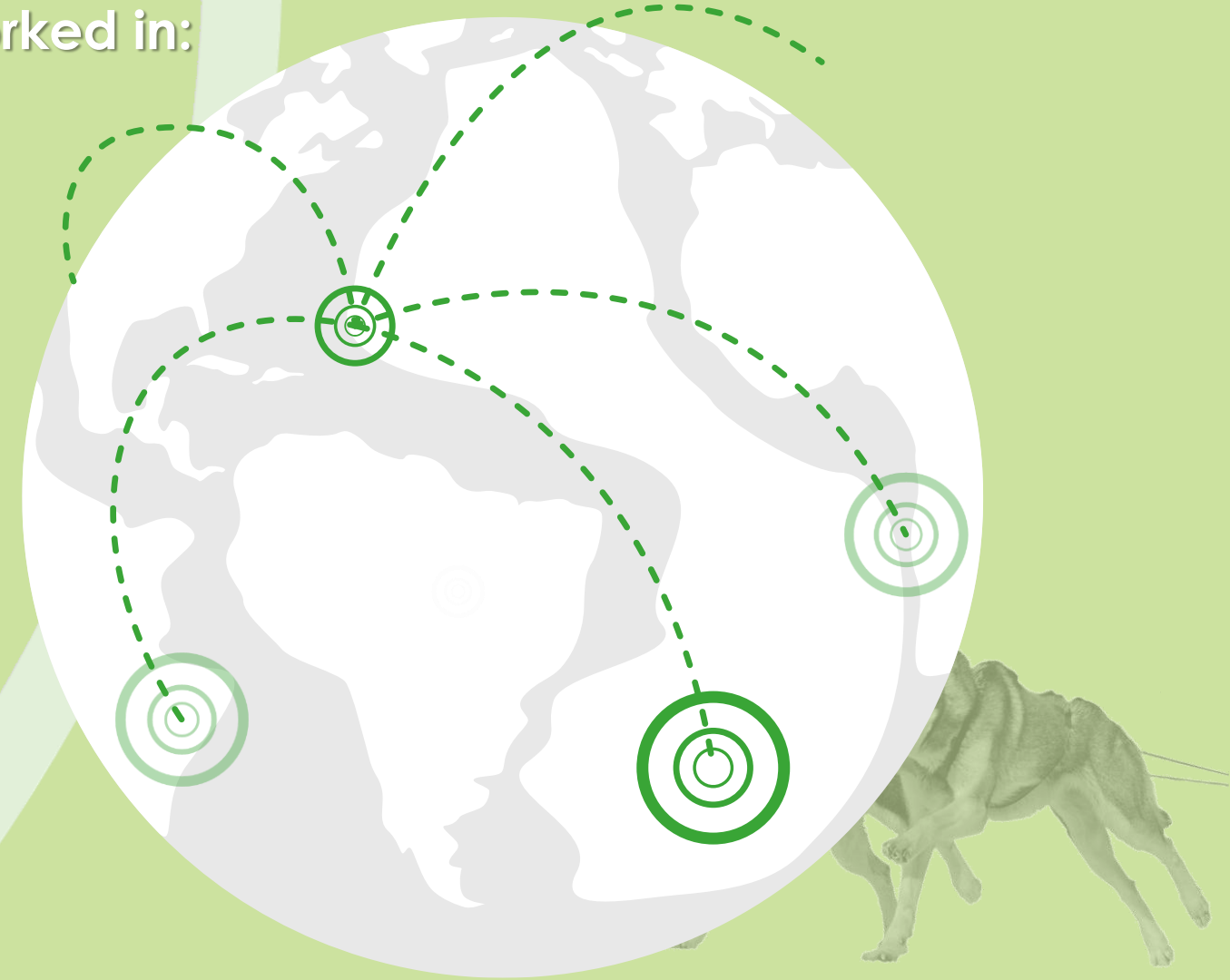
Macnaughton McGregor

Our experience is global, we have worked in:

- Africa
- Asia
- The USA
- The Middle East
- Offshore
- As well as extensively in the UK, Ireland & Europe

Our client base includes:

- Oil & Gas
- Renewables
- Pharma
- Construction
- Civils
- Governmental



Stanning Group

Francis Davies-Jones
Operations Director

Pete Fortune
Manager

Jim McLaughlin
Operative

Other things we do

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SHiFT SAFETY AWARDS 2026

The Rising Star Award

Presented by Mel Worrall SHiFT Director

SHiFT
SAFETY & HEALTH IN FIBRE TELECOMS GROUP

Short List

- Alex Southern - BRMUSL
- Claudia Rehnus - Gigaclear
- Peter Marshall - ITS
- Waqas Hashmi - ITS
- David Harrison – BYNT Group
- Ryan Doe – Virgin Media O2

SHiFT
SAFETY & HEALTH IN FIBRE TELECOMS GROUP

The Rising Star Award

Highly Commended

Ryan Doe – Virgin Media O2

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SAFETY & HEALTH IN FIBRE TELECOMS GROUP

The Rising Star Award Winner

Peter Marshall – ITS Technology

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Lunch Break

Back at 13.30