



Scottish Government
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Digital
Scotland

Future-proofing digital infrastructure:
government & industry working together to
build Scotland's fifth public utility



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In the service _____
of Scotland

Agenda

- Digital connectivity in Scotland – now & then
- SG programmes – R100 and S4GI update
- Rural deployment – overcoming the challenges
- 2023 predictions – alt-nets, alt-tech & private 5G

Digital connectivity in Scotland: now & then

Broadband

	2022		2016	
	Scotland	UK	Scotland	UK
Superfast	94%	96%	83%	89%
Full Fibre	36%	37%	0.2%	1.7%
Gigabit Capable	63%	68%	0.2%	0.8%
Access to at least 10 Mbps Services	97%	99%	92%	95%

Mobile

	2022		2016	
	Scotland	UK	Scotland	UK
4G Premises coverage from all 4 MNOs	96%	98%	76%	86%
4G Geographic coverage from all 4 MNOs	66%	83%	12%	40%
5G Premises coverage from all 4 MNOs	2-10%	5-12%	N/A	N/A
5G Premises covered by at least 1 MNO	43-57%	48-64%	N/A	N/A

Source: Ofcom Connected Nations Autumn 2022 (figures as at May 2022); Ofcom Connected Nations 2016 (December 2016)

R100 Subsea Broadband Deployment

Yell – Unst
Shetland – Yell
Sanday – Shetland
Fair Isle branch
Westray – Eday
Eday – Sanday
Sanday – Stronsay
Shetland – Whalsey
Orkney – Rousay
Orkney – Shapinsay
Hoy – Flotta
Flotta – South Ronaldsay
Eigg – Mainland
Mainland – Lismore
Colonsay – Mull
Iona – Mull



R100 subsea deployment

16 new subsea cables connecting 15 islands – delivered as part of the R100 North contract

224km of new subsea cables laid

31 landing points on-shore with a subsea branch for Fair Isle

A new fibre backbone to enable world class connectivity for Scotland's island communities

R100 subsea cable landing point Stronsay, Orkney



Landing an R100 subsea broadband cable on Stronsay, Orkney – [video footage](#).

Scottish 4G Infill Programme

Currently **29 mast sites activated** for 4G and programme on track for completion by 2023.



S4GI – Building in the most challenging conditions





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