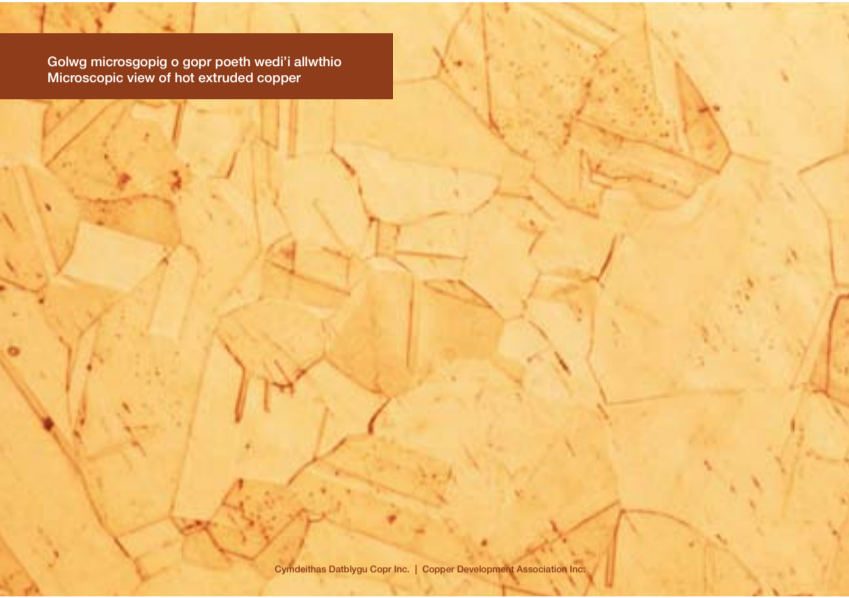


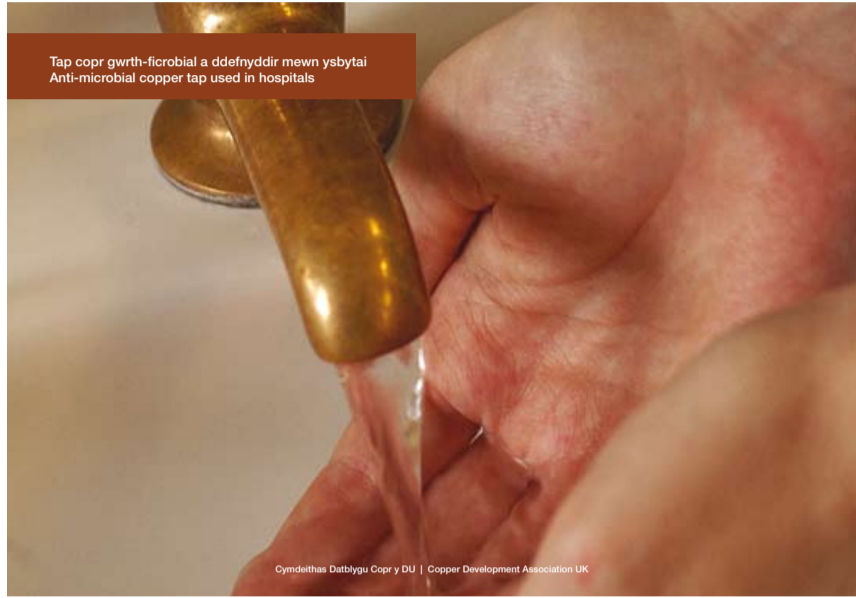
COPR HEDDIW COPPER TODAY

Golwg microsgopig o gopr poeth wedi'i allwthio
Microscopic view of hot extruded copper



Cyndeithas Datblygu Copr Inc. | Copper Development Association Inc.

Tap copr gwrth-ficrobial a ddefnyddir mewn ysbytai
Anti-microbial copper tap used in hospitals



Cyndeithas Datblygu Copr y DU | Copper Development Association UK

Mae gan gopr ei le ym mhob agwedd o'n bywydau bron. Mae'n cludo trydan a'r rhyngwrwyd ar hyd gwifrau, dŵr drwy bibau, ac mae hyd yn oed yn ymladd clefydau mewn ysbytai diolch i'w nodweddion gwrthficrobaidd.

Rydym yn manteisio ar nodweddion rhagorol copr fel dargludydd thermol a thrydanol. Mae modd ei ffurfio drwy ysgythu, bwrw, curo, ei dynnu i ffurfio gwifren a'i rollo yn llenni. Mae'n sail i nifer o aloeon defnyddiol megis efydd (gydag alcam) a phres (gyda sinc). Mae'n galw am y metel yn uwch nag y bu erioed.

Caiff copr ei echdynnu o'r tir drwy gloddio pwll agored a thanddaearol. Mae'r rhan fwyaf o fwynau copr wedi eu ffurfio o'r mwyn sylffid calcopyrid. Chile yw cynhyrchydd copr mwyaf y byd heddiw. Mae tua 80% o'r copr sydd wedi'i gloddio erioed yn dal ar gael i'w ddefnyddio, drwy ailgylchu ac aildefnyddio.

Mae copr yn dal i gael ei brosesu yng Nghymru, megis gweithfeydd cynhyrchu ceblau uwch-dechnoleg Prysmian yn Aberdâr a Wrecsam lle mae'n ffurfio'r dargludyddion sy'n dod â thrydan i'n cartrefi a'n busnesau.

Copper has a place in almost every aspect of our lives. It carries electricity and the internet along wires, water through pipes, and even fights disease in hospitals thanks to its antimicrobial properties.

We take advantage of copper's excellent properties as a thermal and electrical conductor. It can be shaped through engraving, casting, beating, drawing it into wire and rolling it into sheets. It is the basis of many useful alloys such as bronze (with tin) and brass (with zinc). Our demand for the metal is higher than it has ever been.

Copper ore is extracted from the ground through open pit and underground mining. Most copper ores are made of the sulphide mineral chalcopyrite. Chile is the largest copper producer today. About 80% of copper ever mined is still available for use, through recycling and re-use.

Copper is still processed in Wales, such as at Prysmian's high-tech cable manufacturing plants in Aberdare and Wrexham where it forms the conductors that bring electricity into our homes and businesses.

Cerbyd robot yn cludo cainc copr i linell gwneud ceblau
Robot vehicle transports copper strand to a cable-making line



© Prysmian Cables Cyl/Ltd. Steve Willetts

Dadlwytho bobiniau o'r ceincydd copr
Unloading bobbins from the copper strander



© Prysmian Cables Cyl/Ltd. Steve Willetts

Bobiniau o wifren copr yn bwydo'r broses geincio
Bobbins of copper wire feed the stranding process



© Prysmian Cables Cyl/Ltd. Steve Willetts