containers that hold fresh water, salt and oil from ten metres which we thought... And we wanted to be able to do that. This is the result. This is the sonar and it's the thing that allows us to do things that dolphins do. The sonar pack will be carried by Remus, one of the University's underwater robots. It looks like a torpedo but that will sound a lot like a dolphin. We looked at the signals that they use and we did an analysis of them and figured out some things that other people had not seen about the signals and used those to create artificial signals that we would want to use and then we got to the difficult bit and that was actually getting a system that would produce those and we could process them. Now I University spin out company sees opportunities worldwide starting with the North Sea. For inspection of the sea bed, to make sure you put infrastructure in the right place

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and you do it safely and securely, post installation you need to monitor structures so they are in increasing issue for the oil and gas industry, decommissioning, something gets in the end of its useful life, how do you dismantle it and make sure anything that is left is safe and not detrimental to the environment? The development has been supported by a grant from the Scottish innovation Centre for Centre and innovation systems. We've identified 90 research groups across the institution in Scotland that specialise in sensor or sensor technologies and that's a tremendous resorts to draw on. The project could mean better and cheaper ways of finding everything from undersea cables to miss placed mines. Kenneth MacDonald, BBC News, Edinburgh. A new study has shown that around 2000 cases of serious birth defects like spina bifida could have been

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prevented if the UK Government had followed advice to 45 Larvik Poleglass said. 78 countries including the US at full of acid to flower and cereal grain with many experts believe in the UK should follow suit. With more, here is Dominic follow suit. With more, here is Dominic Hughes. Spina bifida occurs when a baby is still in the womb and is known as a neural tube defect which can affect the brain. Very often these cases lead to termination, stillbirth, the death of the newborn baby or serious disability. Some protection can come from folic acid, naturally present in some foods, cereals and wholemeal bread. But it is hard to consume enough from purely natural sources, so the Department of Health has been advising pregnant women to take folic acid supplement since 1992. New research suggests as many as 28% of women ignore the advice and don't take folic acid while pregnant. In 1998 the authorities in the US started adding folic acid to flour for bread and since then have seen a dramatic fall in babies

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developing these defects. If the UK had adopted a similar policy, researchers say that since 1998 more than 2,000 cases would have been avoided. It is getting to women who are basically healthy before they are pregnant when we have around 50% of pregnancies in this country that are still unplanned. It was always a tall order that would need a massive sustained campaign over and over again. No government has really tackled that head-long. Successive governments have been advised to follow the US example and introduce folic acid to flour for bread, most recently in October. The Department of Health has said they are still considering the latest recommendations.