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(DON'T!)
**WASTE
WATER**

Have you ever heard your water network singing?

Well, the first man that possibly did it was A.M. Mayer, a professor of Physics in New Jersey at the end of the 19th century.

In 1879 he patented the “Topophone” - a device that enabled its users to determine “quickly and surely the exact direction and position of any source of sound.”

What's the link with Water Networks?

Networks can be very noisy places! Generator noise, drilling noise, trams ahead... all sorts of different things.

In that cacophonous environment, there's actually one sound family that's worth lending an ear: the sound of a water leak.

We've seen by S3E16 how our water networks leak 126 billion cubic meters a year (and how pressure management could help prevent leaks and reduce their impact.)



Let's put those billion liters in context:

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There's no other industry in the World that would produce something and then lose 40% of it! Can you imagine BMW building a phenomenal factory producing a hundred Supercars and then burning 40 on the forecourt?



With water scarcity on the rise,
no one should.

But to repair these leaks, we must
start by identifying and locating them.

Today, you still got people out in
the street using listening sticks!



Sure, as the Topophone did, that works. But in 2022,
you'd bet there is a more efficient approach...

FIDO indeed leverages AI and sensor-agnostic inputs
to identify, size, and locate leaks with a **92%**
accuracy.



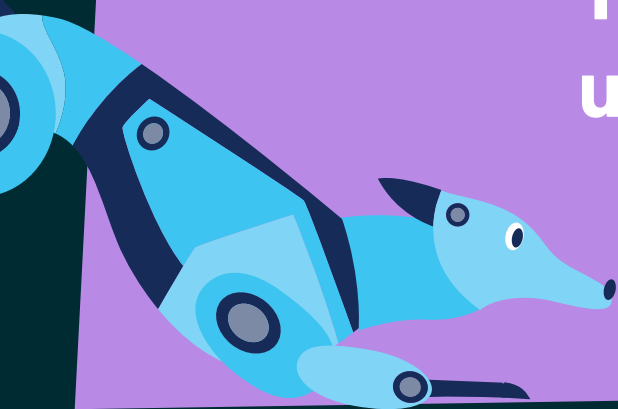
But that's only the first step. As counter-intuitive as it sounds, not every leak is worth repairing:

You don't want to dig the road six times to find six small leaks. Dig a road once, fix the big leak, let the others, and track their degradation till they become economical to repair.

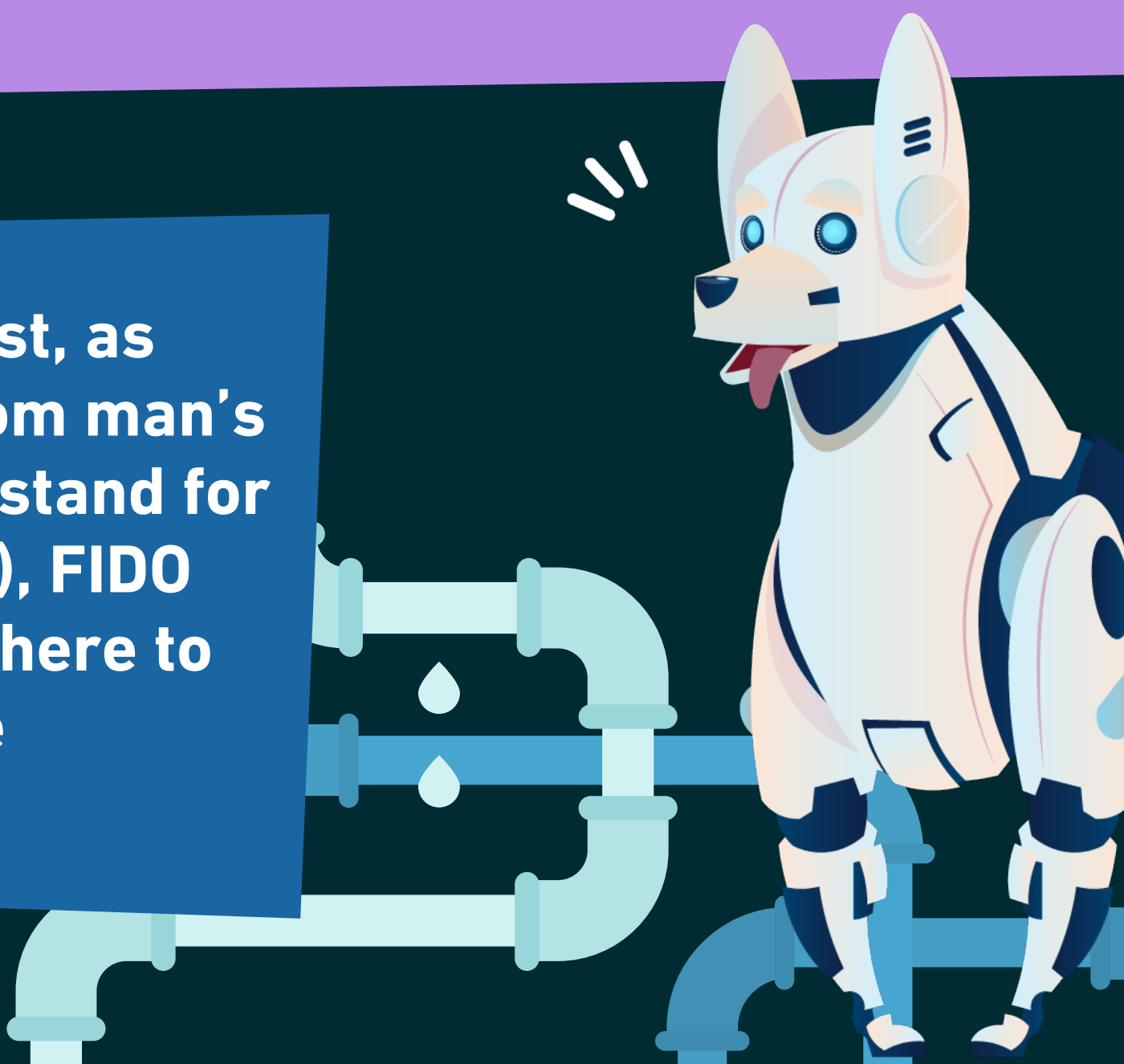
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Indeed, FIDO also does that for you. They prioritize leaks and assign them unique ID tags to track them over time.



Last but not least, as you'd expect from man's best friend (... I stand for this bad pun 😂), FIDO also tells you where to dig when you're out repairing.



AI is not going to replace humans. It's there to remove a repetitive task from humans and do it with accuracy, speed, and scale.

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I told you, man's best friend!

We also covered:

- How FIDO ambitions to save the planet one megaliter at a time by taking a disruptive sensor agnostic and AI approach to non-revenue water
- How Victoria's musical background is an asset in that endeavor, even if she no longer plays Rachmaninov
- How you need your innovation first to help and solve a challenge, then be transformational, for it to make a dent in the utility world.
- How being sensor agnostic and adopting an open approach is the best approach.
- How it all started for FIDO and what step they already underwent
- How FIDO removes adoption barriers with its CAPEX Free / Data as a Service business model
- Training on some of the World's most complex networks, striving even with little knowledge of the network, fixing leaks as an alternative to increasing production capacity, building hardware, pivoting the original concept... and much more!

**Don't miss a single bite:
head over to dww.show!**

