



4 REASONS WHY BLOCKCHAIN OPERATORS ARE MOVING TO IMMERSION COOLING

The system you're probably using to cool your facility's infrastructure was invented in 1886¹ – and you're literally blowing away money by using it.

It's the hundreds of fans you have running 24-7 to prevent processors from overheating. This inefficient, electricity-guzzling air-cooling system can be responsible for a large portion of your overall energy usage.

There's a better way to keep those processors cool – and keep them humming along at optimal levels. It's called immersion cooling, and it's one of the few options available on the market for blockchain computing operations who are serious about cutting their energy costs.

Shell
Immersion Cooling Fluid

Four reasons to make the switch from air-cooling systems to immersion cooling:

1. Flexibility

You can set up your network anywhere, without worrying about the environment interfering with your hardware. Immersion cooling works effectively in places with challenging and potentially hostile climate conditions, including high ambient temperatures, and humid or dusty locales.

2. Major Savings

As stated above (but it can't be overstated!) Shell Immersion Cooling Fluid S3 X, is a di-electric fluid developed with Shell Gas-to Liquid Technology (GTL) to provide a cost effective way of maximizing ASIC or GPU based miner hash-rates.

3. Safety

Shell Immersion Cooling S3 X can help to do away with air conditioning and fans thus reducing the energy consumed by cooling infrastructure while removing heat generated effectively to enable higher hash-rates within a safe operational temperature range.

4. Sustainability

There are incentives for reducing energy consumption beyond just cutting costs. When integrated with other Shell sustainability offerings, Shell's Immersion Cooling technology can help reduce and offset carbon emissions to meet customer needs.³

It's only a matter of time before immersion cooling becomes the industry standard for blockchain and data centers across the globe. Make sure you aren't falling behind the curve, and explore how immersion cooling can transform your business and save you money.

Sources:

1. Edison Tech Center. The electric fan. Retrieved April 22, 2021, from <https://edisontechcenter.org/Fan.html>
2. Technical Data Sheet: Immersion Cooling Fluid S3X.
3. Shell Global. Clean energy solutions. Retrieved April 22, 2021, from <https://www.shell.com/business-customers/trading-and-supply/trading/shell-energy-europe/clean-energy-solutions.html>

