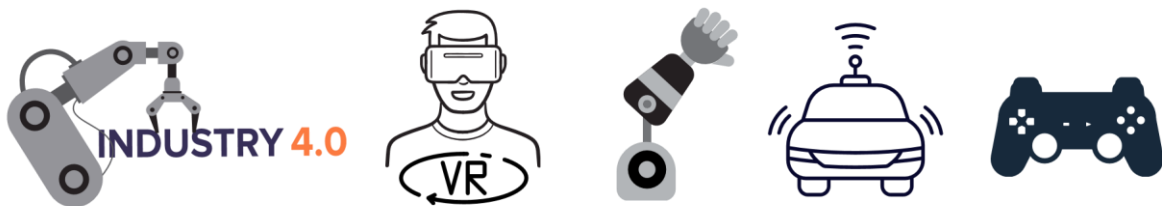


AcroCloud™

Finally, a true cloud computing experience for the Edge

Most of the exciting technologies that will change our world in the next decade such as 5G, AR/VR, Industry 4.0, AI/ML, Metaverse, and Autonomous vehicles must be deployed in the field to reap the benefits. If we rely on centralized cloud computing, the communication latency (>40ms) kills the speed and utility of these applications. The need for faster response times (<2ms) where data is processed and stored as close to the source as possible is what is driving Edge computing. Unlike centralized data centers that are located in few locations, Edge computing needs to be distributed everywhere, even at the most remote areas.



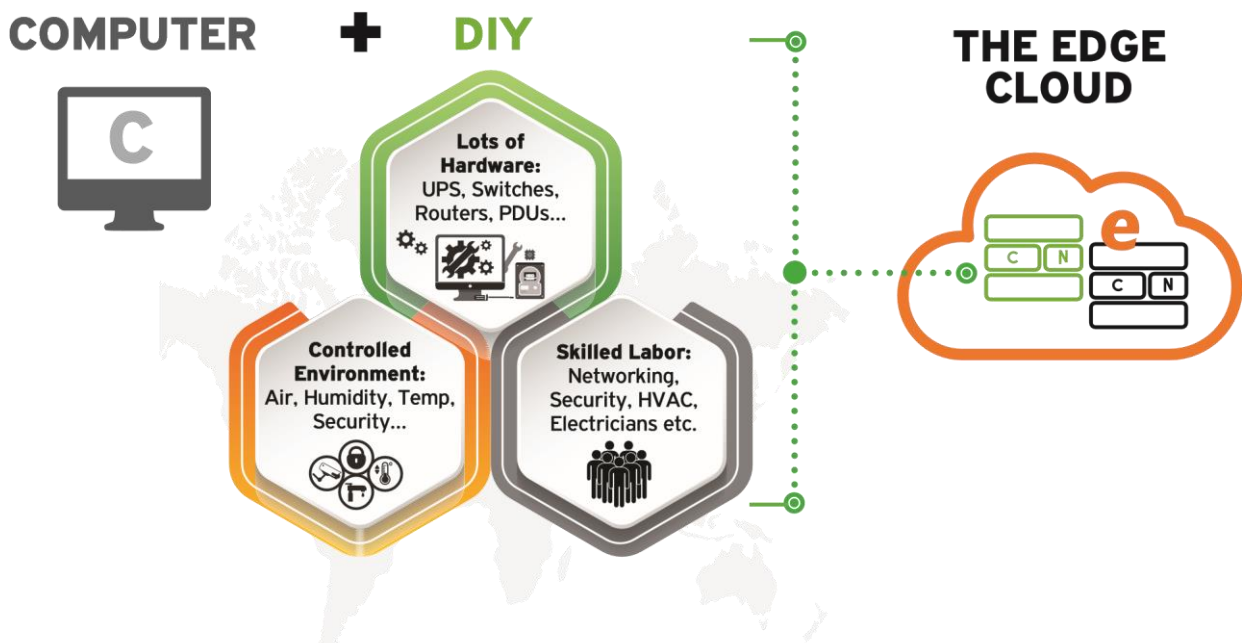
Why Edge Computing has not yet taken off

Despite all of the enthusiastic market predictions for Edge computing in the last few years, the market has yet to take off. There is a chicken and egg problem. On the one hand, telecommunications companies have been reluctant to make large, wide scale investments in Edge computing infrastructure because they are worried about whether there will be enough customers to justify the investment. On the other hand, application customers have been leery to commit to the Edge because of the lack of infrastructure on a broad enough scale to make it interesting to their businesses. There is no doubt that the delay in the Edge computing roll out has been exacerbated by the expense and difficulty of building out the massive Edge infrastructure that would be required by today's Edge technology model.

Compounding the expense of the Edge infrastructure is the fact that IT customers have grown accustomed to cloud computing and all of its advantages such as a completely outsourced infrastructure with no capital outlay, economies of scale making it both cheaper and more secure, and the simplicity and pain free approach of not needing to build and maintain your own data centers. When customers think about Edge computing, they think about the public cloud computing paradigm: they do not want to build their own Edge computing infrastructure, they want a completely outsourced capability.

The first-generation industry solution did not live up to the challenge

The first-generation solution was to place computers at the Edge. But computers alone do not do the full job. Why? Because customers do not want edge computers; they want all the benefits of cloud computing delivered at the Edge. In addition, the cloud is 50x more technology and infrastructure. To get the full benefits of the Edge Cloud, companies are currently forced to buy additional hardware, invest in setting up controlled environments and require lots of additional skilled labor. In other words, the current model is forcing companies to build data centers which leads to high investment, take too long to construct, and deploy, and have extremely high capital expenditure (CAPEX) cost. The do-it-yourself (DIY) approach to the Edge cloud is a non-starter for all but a very few companies with the requisite resources and motivation.



The second-generation industry solution has not worked either

After the first-generation solution of “putting computers at the Edge” failed, some of the cloud vendors like Amazon decided to get into the market since customers were looking for cloud capabilities. Unfortunately, they did not rethink their solutions. Computer companies threw slightly modified computers at the Edge and failed. The cloud vendors tried the same incremental approach. They delivered shrunk down versions of their centralized cloud data centers, or more accurately, a shrunken version of part of their centralized data centers.

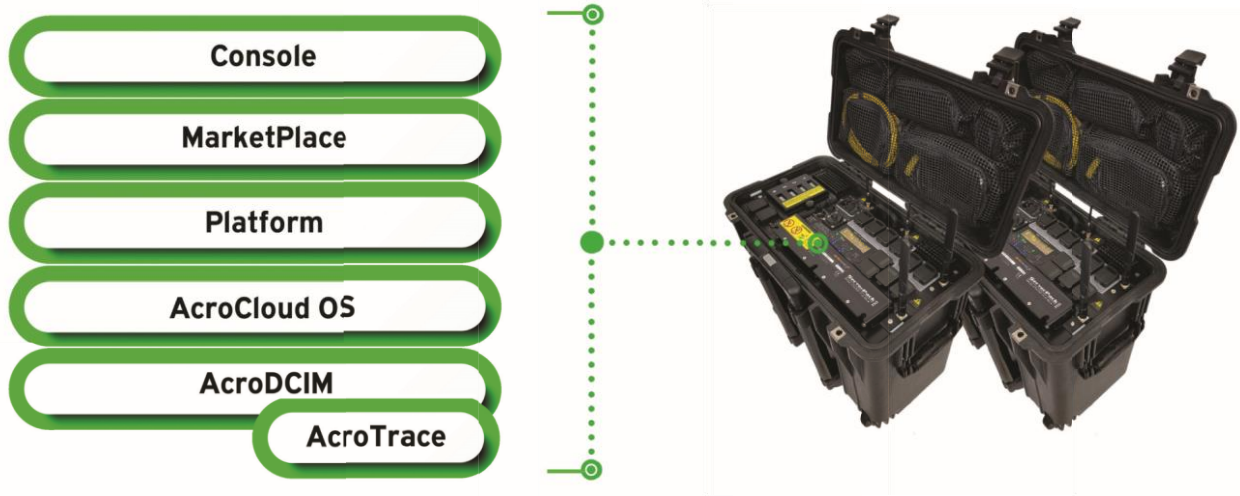
But the Edge computing problem is not just a simple extension of the cloud computing paradigm and infrastructure. Cloud computing is defined by having a small number of massive, centralized data centers – a few physical locations with tens of thousands of computers in each. The Edge compute problem is exactly the reverse. Edge computing needs to be everywhere, but it only requires a handful of computers – tens of thousands of locations with only a few computers at each site. Solving the reverse problem represented by the Edge requires serious innovation and not just an incremental improvement to the current cloud computing model.



Acromove ignites the Edge revolution and advances the Edge adoption by years

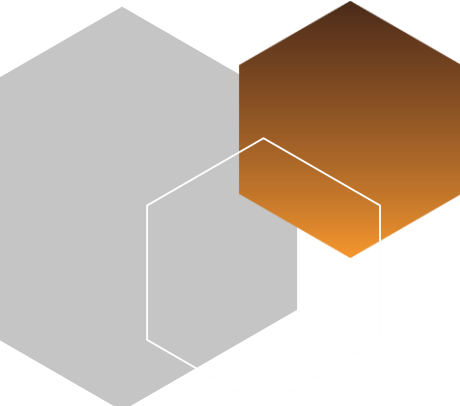
Acromove delivers the key missing piece of the Edge computing with AcroCloud, a complete hardware and software solution that delivers a full set of Edge computing needs in a cloud business model. Designed from the ground up, AcroCloud delivers a true cloud computing experience to the Edge. Customers can rent as much Edge computing capability as they need and scale it up and down as requirements change. There is no need to build controlled data center environments to house the Edge computers since Acromove has built the environmental control into the computing infrastructure. No technical staff is required for installation and maintenance – one can just plug in the power and a network connection. And all of Acromove’s products are paid for by use just like the cloud – OPEX and Not CAPEX.

AcroCloud™



Acromove’s solution changes the Edge computing market. Because there is now a true cloud model Edge computing solution that can be scaled up or down, from a single server to hundreds based on changing needs, the Edge computing adoption curve will be advanced by many years. Players from 5G infrastructure to retail outlets to industrial IoT providers do not have to wait until they can afford today’s big complex and expensive Edge computing alternatives. They can now add Edge computing just like the cloud – renting it one server at a time. AcroCloud offers integration of private and public cloud computing environments and is developed for secure network operations.

About Acromove



Episteme is the Greek word for science or knowledge, while techne is translated as either craft or art. These fundamental concepts were debated in Ancient Greece by Socrates, Plato, and Aristotle. Plato, in particular, was fascinated by the idea of a kind of techne that is enlightened by the knowledge of forms. There is something special about Greece that inspires original thinking and creativity. And it is from this heritage that the founders of Acromove built a company to deliver innovative products for markets around the world. Acromove, which was incorporated in the USA in 2017 and also has offices in Athens, Greece, today provides novel data migration and Edge Cloud data center infrastructure solutions. The company's products are true inventions; unique devices that improve products and processes, informed by experience, and crafted with art.

