"With over 20 years of experience providing remote support to clients that rely on technology, I know what it takes to deliver business continuity. Add to that another 20 years of support in the service industry you'll not find another company that takes customer service to heart as I do. Find out for your business what a difference it makes. "

Dan Foote
Owner/President

What's Inside:

Got IT Problem? - Click Here!

5 Businesses That Will Be in Demand in 2025 and Beyond

By US Chamber of Commerce

Consumer trends, technological innovations, and macro-level global events like climate change can all indicate the types of businesses that will be in demand. While it's impossible to predict the future, market analysts foresee these business types catering to the evolving needs of consumers in 2025 and beyond.

Digital education

Digital education, also known as education technology or edtech, is expected to increase to $136 billion by 2030, a CAGR of 25.1%. Digital education refers to the digitization of course materials and the use of technology like smartboards, tablets, and laptops in the classroom. It's a broad market that encapsulates not only schools and universities but also adult learning and upskilling.

"The job market's rapid evolution has led to a huge increase in demand for lifelong learning and skill development," wrote Yahoo Finance. "Moreover, the COVID-19 epidemic has accelerated the adoption of remote learning systems, which has increased market growth. North America surges ahead of the other regions."
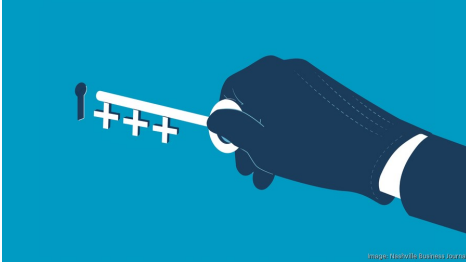
Virtualization software

Virtualization software is an advanced piece of tech that is quickly gaining popularity. Essentially, this software is like a magic box for your computer. It allows you to run multiple operating systems on a single physical machine and helps you get the most out of your computing resources.

Hackers are Targeting the Healthcare Industry

Since January, over 460 healthcare cyber incidents have been reported to the US Department of Health and Human Services, potentially affecting the data of 60.6 million patients, according to an article in the Wall Street Journal. These statistics make it clear that healthcare is a prime target for hackers.

Why is this the case? Healthcare agencies often lack the financial resources to adequately protect the vast amounts of Personally Identifiable Information (PII) stored on their numerous digital systems.

The government's plan is to standardize cyber security for the medical industry. However, it remains uncertain whether this plan will provide financial assistance or enforcement measures. Answers are likely to come with the new administration of 2025.

In the meantime, the healthcare industry continues to be a primary target for hackers.

ARE YOU CONCERNED ABOUT SAFETY OF YOUR PATIENTS' DATA?

907-885-0501

A Decade of Newsletters

We're now introducing a user-friendly archive of all of our monthly newsletters, starting from January 2015. When you visit Alaska IT Archives - DanTech.Services, you'll find expert technology tips, business wisdom, and IT safe practices – compiled in one convenient location. We've been A+ rated by the Better Business Bureau since 2016, which reflects our commitment to quality and trust.

Some highlights:

- The Jan/Feb 2022 issue offers an interesting read about the Omicron-Themed Phishing Attack where cybercriminals mock their victims while infecting their computers with malware.

- Reading the cover story in the Jan 2020 newsletter can help you run your business more successfully by giving you "4 Reasons why CEOs should plan for failure and encourage risk-taking."

- In the Oct 2019 issue, the main article on pg 2 offers a detailed description of services we offer, so you can decide for yourself if you're getting all you need from our IT help.

- Even some of the tips in old newsletters still apply. For instance, the May 2017 newsletter gives you a checklist to ensure your data is safe, secure and recoverable.

Whether you're looking to stay ahead of cyber threats, enhance your business strategies, or ensure your data's safety, we invite you to explore the valuable information in our storehouse of newsletters!

DanTech Services IT Archive

What Are Head-Up Displays? How Do They Work? And Are They Worth It?

As cars get packed with more technology, the way information is delivered changes, too. Analog gauges are disappearing, and screens are taking over, showing everything from your speed to a full map right in front of you. Adding to the sea of change is the head-up display;

The Two Types of Head-Up Displays. The most common type of head-up display projects info onto the vehicle's windshield. Depending on the automaker, the system can show everything from your speed and navigation directions to what the infotainment system is currently playing. In performance cars or models with manual transmissions, head-up displays have shift indicators that suggest when to upshift. Brands like Mazda , for example, limit the information shown to your current speed, navigation directions, and the speed limit of the road you're on. Other automakers like Mercedes-Benz, BMW, Toyota, and Volvo let you customize the information presented, including the color of the speed readout.

In order to make the head-up display available on more affordable vehicles, Hyundai, Kia, Mazda, Ford, and Mini project the info onto a plastic panel that pops up in front of the driver just above the instrument cluster. The third-generation Mazda3 was one of the first vehicles to feature this type of head-up display and was quickly followed by the current-generation Mini lineup. Hyundai's first pop-up head-up display arrived on the Kona and Veloster, while sister brand Kia recently added it on the Soul. Ford's latest Escape compact SUV also has this kind of head-up display on higher grades.

Should You Buy a Car With a Head-Up Display? If you look at a head-up display as a safety feature designed to keep your eyes on the road and not looking down at an infotainment display, trying the tech makes sense. However, some systems reflect the opening from which the light projects even when the system isn't on, and there's also the issue of cost. Head-up displays are worth considering but are far from a must-have

Google is supporting advanced "mini" nuclear reactors

Google entered into an agreement with California-based small nuclear reactor (SMR) startup Kairos Power to commission the development of six or seven reactors that could add 500 megawatts of clean energy over the next decade.

SMRs represent a shift from the huge cylinders you envision when you think of a power plant. As their nickname suggests, these "mini" reactors have a simpler, smaller-scale design, offering several advantages over traditional nuclear reactors. They require fewer components, which means fewer potential locations of failure. Also, these SMRs need less frequent refueling, 3-7 years as compared to the 1-2 years of conventional power plants. Their nuclear reactor cores have a decreased reactor power, so their overseers have more time to respond to incidents and accidents.

These new reactors are less likely to cause dramatic, dangerous, large-scale meltdowns and system failures like those caused at Chernobyl and Fukushima, making them ultimately safer than the current nuclear power plants.

Another advantage of the smaller, more modular design of the new reactors is that they can be produced much quicker and placed in a variety of locations and environments. The goal is to produce them all in one location and then ship them to their final destination, requiring less capital investment to get them operational.

This partnership between Google and Kairos represents the biggest investment in this new reactor type by a technology company, and it could make the "next generation" nuclear reactors commercially viable. It is part of a broader plan by tech giants to embrace nuclear power to meet their growing energy need while minimizing climate impact.

Google expects the initial Kairos reactor to come online in 2030, with several more being functional by 2035. Once running, they'll send power directly the electrical grids. The partnership was awaiting approval from US Nuclear Regulatory Commission before it could proceed.

907-885-0501

Tips to Keep Your Phone Running Smoothly

Only Use Name-Brand Charging Cables
Generic cables, like the ones you can buy at the dollar store, put your phone at risk of permanent damage (or even fire!) Stick to brand-name cables, and treat them with care.

Keep Your Charge at 30% or Higher
Draining your battery too often can kill your battery sooner than its expected lifetime. Use regular, shallow charges, and avoid running your charge down to 0%.

Use an Otterbox or Some Kind of Case
Having a phone case prevents everyday mishaps, providing a layer of defense against drops, scratches, and spills. A phone case can also improve grip and add a touch of personal style.

Always Clean the Water from Your Phone. Some phones are more water-resistant than others, but no phone is really waterproof, and the more you expose your phone to water, the greater the chance there is that water will damage it. If it is exposed to water, dry the phone out as soon as possible.

Keep Your Security Up-To-Date.
Security patches can protect your phone from malware and other serious issues, so update them when the phone tells you to. Regularly updating your phone helps patch security vulnerabilities.

Avoid Sketchy App Stores. Stick to reputable apps from the official App Store or Google Play. These platforms ensure apps don't have malware or other security threats, providing a safer environment for downloads.

"Some of the biggest heavy hitters in technology including Amazon, Google, Microsoft, Oracle, and Huawei Technologies are competing in the virtualization software market, which is projected to rise from $38.7 billion in 2020 to reach a whopping $189.4 billion by 2027," wrote MarketResearch.com.

Cannabis edibles

Global Industry Analysts predicts that the market for cannabis edibles will grow by 19% between 2023 and 2030. As more states and overseas markets legalize the sale of cannabis, experts expect that new consumers will be drawn to cannabis edibles rather than joints. Derek Lilley, Head of Merchandising at Cresco Labs, told MJBizDaily that edibles were more accessible to new customers. "They're easier to use," he said. "And some consumers don't like smoking – full stop."

Likewise, there is plenty of green space (no pun intended) for entrepreneurs in the cannabis market to innovate on edibles. Many options today are high-calorie: chocolate, brownies, and other sweets. Experts foresee the cannabis market adopting healthier options, including low- and no-sugar edibles and vegan recipes.

5G security and other services

Statista's data shows that North America is forecast to have the highest 5G adoption rate of any region worldwide in 2030, at 90%. With the high adoption of 5G comes the need for new services and security products. Accordingly, this market segment is expected to grow by nearly 60% by 2030.

5G comes with more privacy and security concerns than legacy networks. "There is more at stake with 5G than predecessor network implementations involving LTE and WiFi," according to Mind Commerce. "Leading carriers will transform 5G security from a cost of doing business into a major market differentiator."

Beyond security, there are dozens of applications that will depend on 5G's promise of increased speed and low latency. Remote patient monitoring, vehicle-to-vehicle communication, and other advanced tools require specialized 5G services spurring the growth of this category.

Telemedicine

We've already seen the rise in popularity of teletherapy apps like Talkspace. This trend is projected to continue with the assistance of machine learning and predictive analytics, two tools that enable telemedicine to be more accessible. Machine learning, in particular, promises to improve health care while lowering costs. Likewise, predictive analytics can improve results at scale.

DanTech Services Layers Of Protection

Layer One: Network Protection through a Next Generation Firewall (NGFW) that provides Intrusion Protection, Gateway Anti-Virus, Application Control, Bandwidth Management, and other essential network services.