



# TECHLORE

“Insider Tips to Make Your Business Run Faster, Easier and More Profitable”

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"As a business owner, you don't have time to waste on technical and operational issues. That's where we shine! Call us and put an end to your IT problems finally and forever!"  
 -Ruben Diaz  
 NeoLore Networks

## Tips for Navigating the World of Virtual Reality (VR) and Augmented Reality (AR)

A century ago, Virtual Reality (VR) and Augmented Reality (AR) were dreams of science fiction. Today, these are rapidly developing technologies revolutionizing how we interact with technology.

With AR and VR-driven software, businesses can create more immersive and personalized customer journeys. Not only this, but this technology features the potential to transform how we speak, play, dream, shop, and relax.

### A Quick Glance at Virtual Reality

Virtual Reality is a revolutionary technology that creates a fully simulated environment by regenerating 3D images and videos. VR offers an immersive experience where users can enter an imaginary world without any elements of their physical space.

The innovative VR technology regenerates 3D digital components using advanced graphics and computer vision. It helps add depth and to reproduce the scale between static images, thus offering an immersive effect.

### How Does It Work?

**Headset** – Headsets are wearable VR systems that cover your eyes with a lens to provide you with a virtual world.

**Field of View** – Most VR headsets offer a Field of View of 100-1800 or 200-2200 to ensure an immersive experience.

**Stereoscopic Imaging** – Stereoscopic is an advanced technique to create 3D visuals through binocular vision.

**Motion Tracking Sensors** – VR headsets utilize multiple sensors to track the movement of the head, controllers, and eyes. You wouldn't enjoy a seamless real-time VR experience without motion-tracking sensors.

### A Quick Glance at Augmented Reality

Augmented Reality is a state-of-the-art technology that creates 3D models in your surroundings to enrich your experience. It offers users a live view using sensors and markers, aiming to enhance their perception by adding images, sound, video, and other details.

But in augmented reality, the user remains aware of their physical space but can interact with virtual elements overlaying their environment.

### How Does It Work?

Unlike its counterpart, AR does not require extensive equipment. Here's how it works:

**Computer Vision** – Your computer or smartphone will detect interest points to map a lifelike 3D structure through real-time movement.

**Modes of Tracking** – The delivery of AR content relies on multiple tracking methods, which include GPS, marker-based or markerless tracking.

**Motion Sensors** – For a seamless AR experience, most devices use optical sensors, gyroscopes, and GPS to track motion.

**AR Glasses** – Your AR glasses or goggles overlay the 3D models in front of your eyes. Although these are not essential, they are growing in popularity.

### How Can People Utilize Augmented Reality and Virtual Reality?

Most people are familiar with VR and AR in gaming and mobile apps. However, these technologies can improve the customer experience through virtual rooms and stores and revolutionize digital marketing with 3D interactive imaging. Besides this, AR and VR technology showcases compelling health, safety, and business uses, including simulated and collaborative surgeries, apps for responding to medical emergencies and expanding advertising and marketing opportunities.



## Elgato Stream Deck+

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# Tips for Adopting and Integrating Artificial Intelligence (AI) in Your Business

## Learn Your Business's AI Needs

The first step to adopting AI is identifying what problems you aim to solve using this technology. Determine the issues you want Artificial Intelligence to solve by answering the following questions:

- What are your desired business outcomes (or goals)?
- What are the obstacles keeping you from achieving the outcomes?
- In what ways do you believe AI can help your business in its journey?
- How will your business measure its success?
- What data do you possess, and what are you missing?

Besides this, it's crucial to define the end goal of implementing AI and whether it can help boost efficiency and productivity. Remember to involve the different departments of your organization to answer these questions and brainstorm ideas.

## Prioritize Value Over Everything

The next step is to assess the business and financial value of adopting AI. Your AI implementations must tie your initiatives to real-time value.

Before introducing a new technology, ask yourself how much it will cost and its return. You may need to involve your manager and executives in this step.

## Evaluate Your Internal Capabilities

To ensure your business is ready for the AI whirlwind, evaluate if your staff members and internal capabilities are AI-ready. First, determine whether you have a skilled in-house employee with in-depth knowledge of AI software and tools.

If not, identify if your business has the budget to build a new solution by hiring an in-house team, purchasing ready-made products, or outsourcing the AI development process. If costs and resources are constraints, compare the options to determine the most cost-effective option.

## Test Your AI Systems Before Implementation

Another excellent way to adopt top-notch AI in your business is to ensure you have adequate time to test a new system. Based on your unique niche and industry, the timeframe for testing Artificial Intelligence software can vary from a week to several months. Evaluate concrete factors, such as sales improvements, cost-savings, order times, and productivity.

## Start Small

Despite testing, it's best to implement AI in small data samples. Consequently, you can use AI to prove value, gather real-time feedback, refine AI, gather real-time feedback, make refinements, and expand.

## AI in Healthcare: Applications, Benefits, and Challenges

While Artificial Intelligence has advanced rapidly, the healthcare industry is still in its early stages of adoption. But as AI reinvents itself, many hospitals and hospices wonder how to benefit from it.

Below we'll discuss the real-time applications, benefits, and challenges of AI in healthcare:

### Applications of AI in the Healthcare Sphere

AI-delivered healthcare is increasingly appearing in the industry, from imaging and radiology to diagnosing and assisting surgeries.

In addition to this, AI-driven technology can be used for nursing, rehab, and orthopedics!

### Why Does AI Matter in Healthcare?

AI offers health organizations numerous benefits, such as:

- Improved accessibility
- Accurate diagnosis
- Better precision and efficiency
- Simplified data sharing
- Enhanced surgical procedures
- Reduced costs

### Challenges of AI in Healthcare

Although AI adoption is growing in healthcare, it poses several challenges. These include:

- The complexity of data transfer
- The potential to misinterpret and misuse data
- The security and privacy risks of sensitive information

Although AI has risks and challenges in healthcare, the technology facilitates automation and increased productivity. With the power of AI, hospitals can provide personalized customer service.

## Tricks for Extending the Lifespan of Your Electronics

Your electronics will experience several issues, whether it's overheating or a malfunctioning key. Here's how you can boost your electronics' lifespan:

### Clean Your Electronics Daily

– Ensure dust and dirt don't clog your electronics' ventilation by cleaning it daily.

### Charge Your Electronics Strategically

– It's no secret that batteries degrade, but you can increase their lifetime by avoiding a 0% and 100% charge.

### Give Your Electronics Regular Power Down

– Shut down your laptops and phones instead of using sleep mode.

## Tips for Ensuring the Privacy and Security of Sensitive Data in AI Applications

### Practice Data Minimization

– Ensure your AI app gathers data that aligns with your AI goals. That way, you can avoid data protection law violations and minimize the risk of data theft.

**Use the Right Data Sets** – Ensure your AI developers create accurate and fair data sets that support the quality of algorithms.

### Allow Users to Enjoy Better Control

– Another excellent way to ensure data privacy is to be transparent with customers. Ensure they know how and when their data is involved in AI creation.

## Maximizing Productivity with Task Management Tools

There's no worse feeling than crossing one task off your to-do list to find another hundred! If your never-ending tasks are driving you up the wall, it's time you learn to maximize your productivity using robust tools.

Here's how it works:

### Ensure You Have the Right Tools.

With the variety of task management tools available, finding one that matches your unique needs can be challenging. So, avoid confusion by selecting

software that aligns with your needs, goals, and preferences.

**Break Your Big Projects into Smaller Ones.** Another excellent way to boost your productivity using your tools is to break large projects into smaller ones. Your task management tool can also help map out the steps.

**Create Realistic Timelines for Your Projects.** Leverage your task management tool to create daily goals and set a realistic timeline.

## Take the NeoLore Cyber Security Survey

Has your company done a Cyber Security Maturity Assessment within the last year? Do you have an IT security policy in place? Do you know if you've been hacked or are leaking data?

If your answer was "no" or "I'm not sure" to any of those questions, your company may be at risk for a devastating cyberattack.

Get the NeoLore Networks Cyber Security eBook for Free!

### It Features

- Information on the various threats to your business
- NIST Security Framework
- CIS Controls
- Basic Controls

And More!

<https://neolore.com/cybersecurity>