Imagine the Power of Knowing.

GAO RFID Inc.
A Member of GAO Group

Celebrating Over 20 Years of Innovation

An introduction to **our Company**

RFID Hardware, Software, and Systems.

GAO

We offer one of the world's largest selections of RFID products and solutions.

Who is **GAO RFID Inc.**?

GAO RFID Inc., a GAO Group company, is a global leader in the fast-growing Radio Frequency Identification (RFID) Industry.

Offering one of the world's largest selections of RFID readers, tags, and solutions, innovation is our guiding star. We are committed to research and development because we want to find new ways to apply RFID technology and make business processes easier.

Our RFID hardware products are combined with a wide range of industry-specific software to enable RFID applications on any device: from PCs and servers to mobile devices; and can all be managed from the Cloud.

We are led by a team of certified professionals who have the experience to understand your requirements and deliver a tailored RFID solution that will maximize ROI and ensure scalability for your future growth and new requirements.

Innovation is our guiding star!

As a proud member of the GAO Group, we have witnessed over 20 years of innovation and now serve customers in over 40 countries. Whether you are a SME, Fortune 500 company, or a Government Agency, you can be confident that GAO RFID Inc. will deliver the solution your business needs.
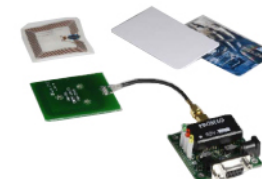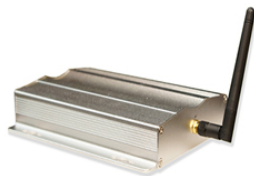
We start with **hardware.**

Every business in any industry will have its own unique set of requirements. That's why the selection of our Hardware Products spans the entire breadth of RFID technologies. From RFID Readers to Tags, to Peripherals and Specialty Products, we ensure you have the best hardware to meet your specific demands.

Our RFID Readers and Tags cover the entire range of frequencies, from low frequency (LF) and high frequency (HF) to ultra high frequency (UHF) bands. Each Reader

and Tag can take on different forms, including stationary or handheld Readers or embedded and wearable Tags.

Connectivity can be configured using a variety of options including Bluetooth, WiFi, Ethernet, RS232, Wiegand GSM, and more.

We even provide RFID Antennae, Portals, Printers, and Relay Controllers; truly everything RFID to provide a complete solution.

RFID Readers

Active 2.45 GHz | Active 233 MHz
Gen 2 UHF | High Frequency
Low Frequency | Semi Passive

RFID Tags

Active 2.45 GHz | Active 233 MHz
Gen 2 UHG | High Frequency
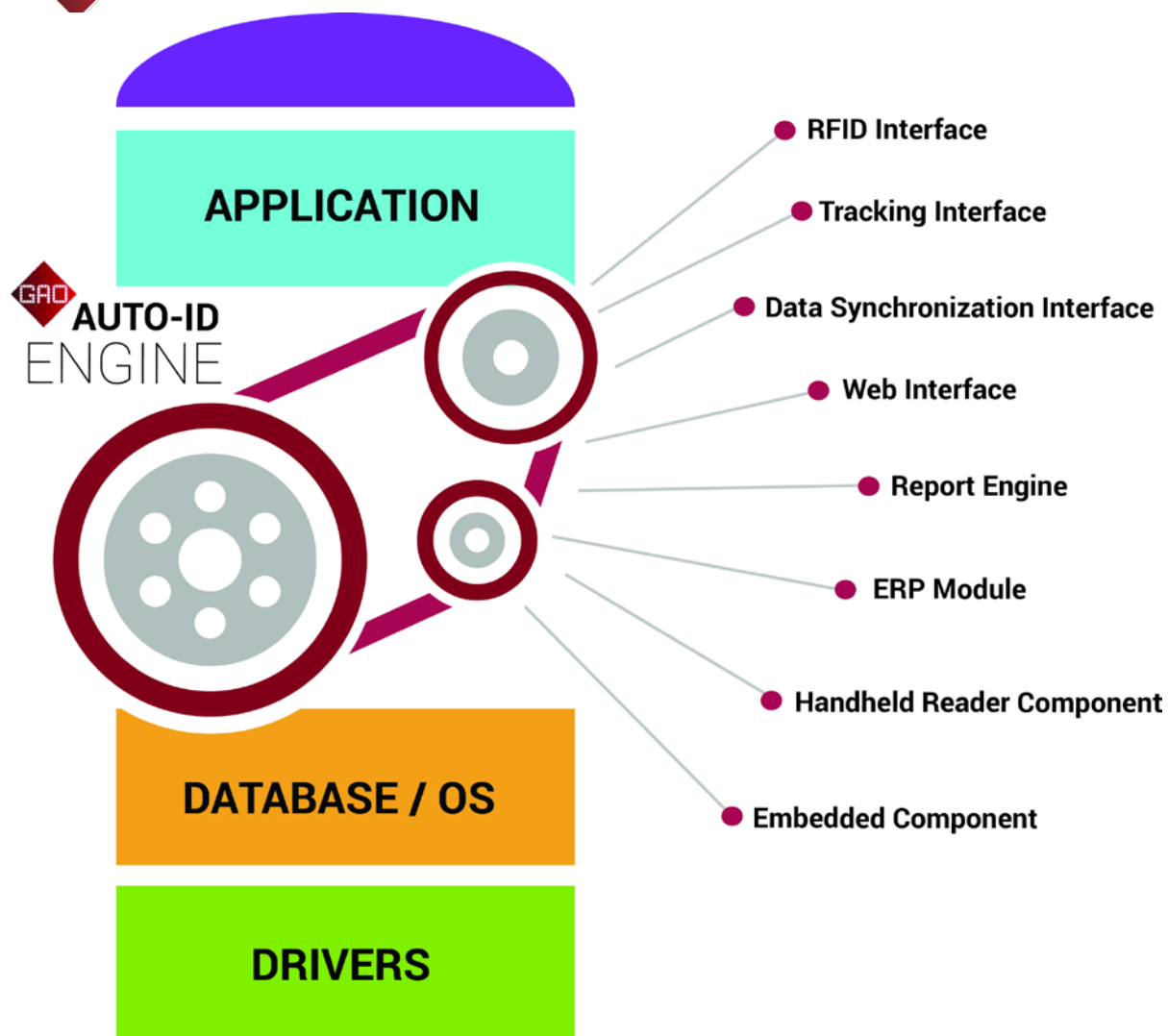Low Frequency | Semi Passive

RFID Peripherals

Printers for RFID
Relay Controllers
Biometric Devices
Antenna Hubs

Specialty Hardware

RFID Antennas | RFID Portals
Embedded Modules
Barcode Readers | On-Metal Tags

Then, drive it with **Software**.

APPLICATION

GAO AUTO-ID ENGINE

DATABASE / OS

DRIVERS

- RFID Interface
- Tracking Interface
- Data Synchronization Interface
- Web Interface
- Report Engine
- ERP Module
- Handheld Reader Component
- Embedded Component

The GAO RFID Software makes sure that the information you need is at your fingertips. And at the core of our software is the GAO Auto-ID Engine.

The GAO Auto-ID Engine pulls together the data relayed by the RFID Readers, powers the RFID System Software, and synchronizes all of the information in the server so you have real-time access to important information.

Designed to be flexible and modular, it can be expanded easily or interfaced with third-party inventory and accounting packages. And with Access Anywhere, you can stay close to your business by accessing the software via desktop, the Web, or a mobile device.

Available off-the-shelf or customizable to suit unique requirements, the GAO RFID Software is a cost-effective RFID solution for any business need.
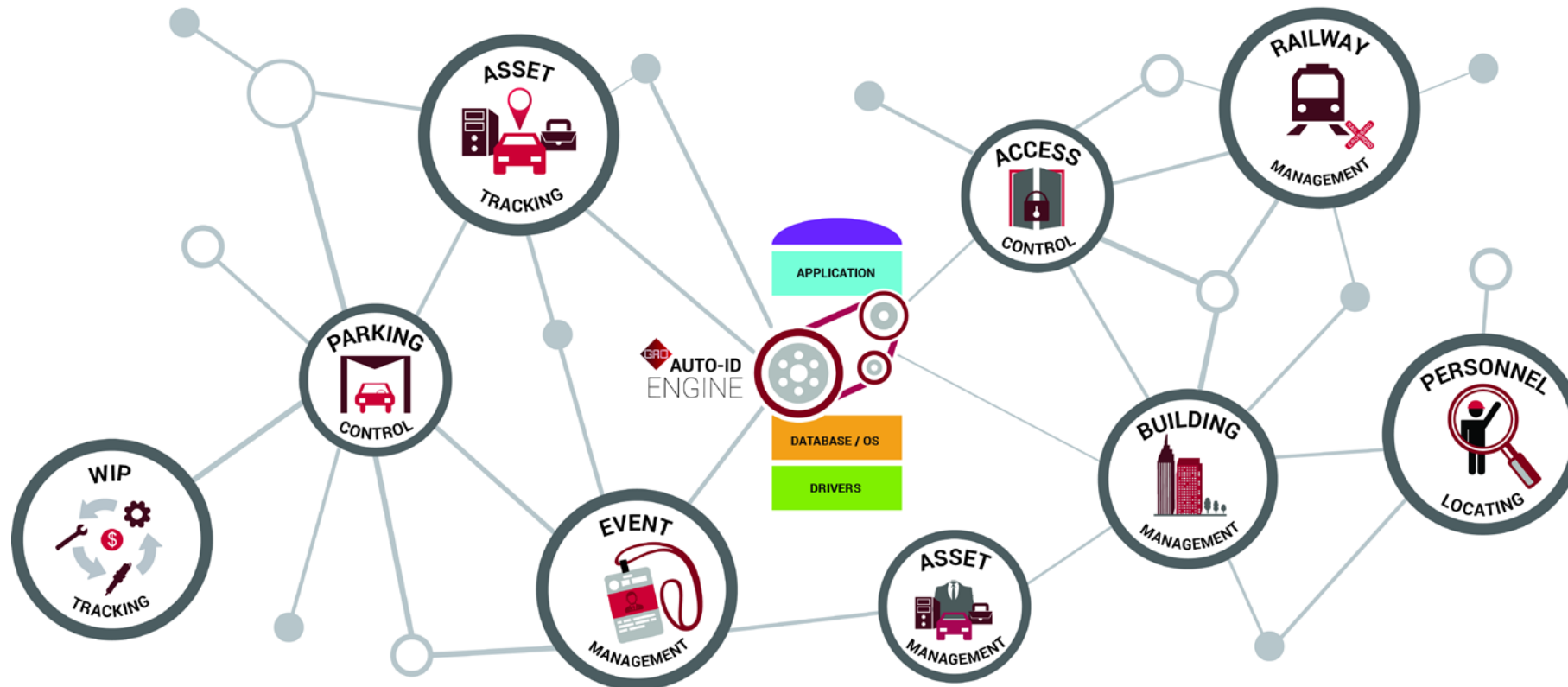
The result: **GAO RFID Systems**, a total business solution.

Our suite of GAO RFID Systems are customized integrations of RFID software and hardware that provide intelligent solutions for businesses across all industries. The basis of our RFID System is simple: Tag, Read, Know.

Here's how our RFID System works:

Your items are tagged with RFID tags. As they move through your environment, RFID readers identify, locate, and authenticate each item—identification does not require line of sight, hundreds of RFID tags can be read simultaneously, and all data are collected for analysis. Then, our software is customized to provide you with the reports you need to make mission critical decisions that improve the quality of your operations, inventory, and customer experience delivery.

GAO RFID Systems: Solutions for every challenge.

Our RFID Systems are built to solve your business challenges.

ASSET TRACKING SYSTEM

The GAO RFID Asset Tracking System gives you the power to tag and track assets, providing real-time visibility of your asset utilization which reduces operating costs and ensures accountability.

PERSONNEL LOCATING SYSTEM

The GAO RFID Personnel Locating System provides you with the power to monitor personnel and visitors in real-time, promoting safety, security, and accountability.

ASSET MANAGEMENT SYSTEM

The GAO RFID Asset Management System provides a quick way of locating assets to avoid purchasing new, redundant equipment and eliminating the need to maintain inventories using labour-intensive methods. This results in timely information for critical decision making.

PARKING CONTROL SYSTEM

The GAO RFID Parking Control System is an automated parking management solution that reduces costs, ensure safety, and improves the overall customer experience.
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ACCESS CONTROL SYSTEM

The GAO RFID Access Control System lets you grant and deny access to zones and machinery, ensuring safety, security, and convenience within any business environment.

RAILWAY MANAGEMENT SYSTEM

The GAO RFID Railway Management System provides the ability to enhance the management of a railway operation, ensuring safety, enhancing operations, and boosting customer satisfaction.

Comprehensive Support

- Installation support
- On-site support
- Integration assistance
- Remote login support
- Hardware support

Support starts on day one.

Our highly integrated team of project management, sales, and technical professionals work together to bring you the best solution for your business. And delivering it in the shortest deployment time possible means you'll realize a faster ROI.

RFID Technology: A Quick Comparison

Technology	Low Frequency (LF)	High Frequency (HF)	Ultra High Frequency (UHF)	Semi-Passive	Active
Description	LF is a mature technology where tags and readers are matched to work at either 125 kHz or 134 kHz. Depending on the application and performance requirements the readers may be HDX or FDX. Global standards for LF tags are EM4000, ISO11784, 18000-2A and 18000-2B.	HF operates at 13.56 MHz and can be adapted for use with fixed readers, portable handheld readers or embedded readers. Global standards for HF are ISO14443A/B/C, 15693 and 18000-3.	UHF can be adapted for use with fixed readers, portable handheld readers, and vehicle mounted or embedded readers. Tags and readers are matched to work between 860 and 960 MHz depending on the application. Global standards for UHF tags are ISO18000-6A and 18000-6B.	Semi-passive RFID operates at UHF frequencies and the tags are battery assisted. The battery allows the tags to conduct other functions such as monitoring environmental conditions such as temperature or vibration. The tags still rely on the RFID reader to broadcast data.	Active RFID is battery assisted. Active tags can monitor for movement, temperature, vibration and other environmental conditions. Tags and readers are matched to work at either 433 MHz or 2.45 GHz. Global standards for Active tags are ISO18000-7 and 18000-4.
Typical Applications	LF tags come in a variety of form factors to meet any application including pet and livestock animal identification, herd management, asset tagging, oilfield logistics and process compliance, laundry, vehicle security and fuel payment systems.	HF transponders come in a variety of form factors and standards to meet most applications including access control, secure payment solutions, item level tagging, document management, vehicle security and fuel payment systems.	UHF transponders come in a variety of form factors to meet any application including supply chain, access control, asset and people tracking.	Semi-passive technology can be used to meet many applications including supply chain, access control, asset and people tracking.	Active technology can be used to meet many applications including supply chain, access control, asset and people tracking.
Read Range	Typically < 1 meter	Up to 2 meters	Up to 10 meters	Up to 100 meters	Up to 100 meters
Relative Tag Cost	Low	Low	Low	Higher	Higher
Relative Reader Cost	Low	Low	Higher	Higher	Low

When you work with us, you'll find yourself in **good company.**

The GAO RFID Advantage:

- ✓ **Over 20 years of innovation**
- ✓ **Continuous software development & support**
- ✓ **Expansive hardware selection**
- ✓ **Best-in-class support**
- ✓ **Serving customers in over 40 countries**
- ✓ **Serving the Fortune 500 and Government Agencies**

*All trademarks mentioned herein belong to their respective owners.

Imagining how an RFID solution can be **tailored for your business**?

We'd be happy to help.

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📞 **1-877-585-9555** x 601 — **Within North America**
1-416-292-0038 x 601 — **From Anywhere Else**

✉ **sales@gaorfid.com**