



> ABOUT IPS

Invensys Process Systems (IPS) is headquartered in Plano, TX. IPS is a global technology, software, and consulting firm leading significant change in process manufacturing, plant optimization, business operations, and enterprise performance. IPS clients are some of the world's most important industrial organizations - companies that operate large oil refineries; plants that process chemicals, gas, LNG, power, nuclear, pharmaceutical, and minerals; and pulp and paper mills. IPS solutions are used at more than 50,000 locations across the globe, include field devices and controls from Foxboro® and Triconex®, advanced applications from SimSci-Esscor®, operations management from Avantis®, and the world's first truly 'open' enterprise control system, InFusion®. Nearly 7,000 employees integrate these capabilities to create solutions that increase efficiency, boost productivity, and accelerate performance, resulting in improved safety, operational efficiency, and useful data extractions from operations to make faster, better decisions. To learn more about IPS, visit www.ips.invensys.com.

> INTRODUCTION

IPS' Performance Advantage is a comprehensive lifecycle management program for safety and control systems. It helps minimize or eliminate the risks associated with obsolescence, and sustain systems in a position where new and emerging solutions can be applied to maximize the overall performance of production assets.

The program encompasses and extends IPS' proven Advantage™ Plus and LifeTime™ Services offerings to deliver sustained performance and safety assurance. When combined with our comprehensive range of Industry Solutions, IPS provides clients with more than just incremental improvements – we deliver **A Revolution in Performance**.

> PERFORMANCE ADVANTAGE VALUE

- **Protect Investments.** Sustain and extend the value of original investments and avoid costly major upgrades.
- **Mitigate Risk.** Run a plant safely now and for the long term. Maintain the license to operate.
- **Promote High Availability.** Avoid unnecessary downtime and extended outages.
- **Exceed Regulatory Compliance.** Meet and exceed the expanding range of environmental, moral, and social requirements.
- **Predict Budgets and Expenditures.** Take the guess-work out of sustained performance.
- **Improve Shutdown/Turnaround Planning and Flexibility.** Minimize the impact of planned shutdowns and optimize the critical work during the shutdown.
- **Mitigate Resource Constraints.** Ensure that the necessary knowledge and skills are available through extended training and certification of personnel, and through complementary or specialized IPS expertise.
- **Extend the Proof Test Intervals for Safety Instrumented Systems.**
- **Eliminate the Need to Purchase or Maintain Spares.**

> PROGRAM COMPONENTS

The Performance Advantage Program is a comprehensive service offering addressing all phases of the life cycle of a IA Series®, Triconex, and InFusion investments.

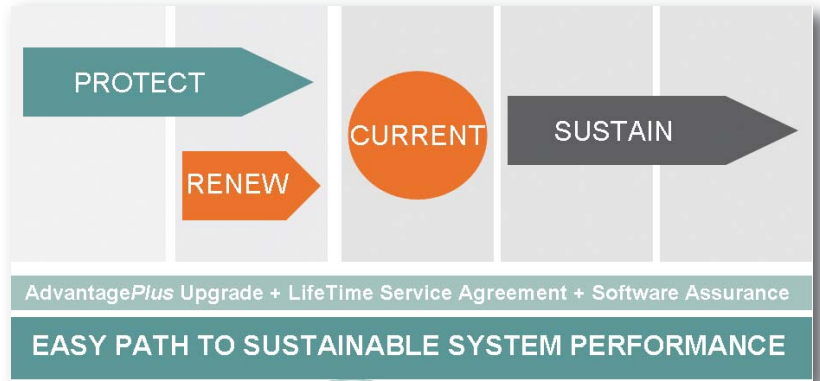
The **PROTECT** component of the program is focused on minimizing the risk of running with systems that fall in the Obsolete, LifeTime, or mature Lifecycle Phases; from now until the next scheduled shutdown when the systems will be upgraded. During this period, IPS will provide clients with:

- Preferred access to spares from a reserved, bonded, and certified spares stock
- Integrity testing of current spares
- Access to training and expertise in obsolete technologies (e.g. MS/DOS and MSW)
- Tools and engineering services to migrate and test the systems in advance of the scheduled shutdown
- Ongoing access to Technical Advisory Bulletins and Product Advisory Notices

The **RENEW** component of the program is focused on upgrading systems to the Available or Preferred Lifecycle Phase in the shortest time, with minimal cost, and the highest level of integrity. This component builds on IPS' proven Advantage Upgrade program, with several new elements:

- Extended diagnostic and assessment capabilities to improve and simplify the planning
- New tools that further automate the process and drive the highest possible quality
- Enhanced trade-in incentives
- Extended training and certification for engineers, including TÜV for safety engineers.

While these two elements of the program can be selected individually, they can also be combined under one operational agreement that includes the necessary hardware, eliminating the need for a separate capital budget.



The **SUSTAIN** component of the program is focused on two critical areas:

- Maintaining systems at the Available or Preferred Lifecycle Phase over the long term
- Maximizing the maintainability and performance of control and safety systems

Some of the core elements of this multi-year service engagement are as follows:

- 24/7 hardware support and prime-time software support
- Managed spares and module exchange program
- Ongoing software version assurance
- All software revision and maintenance
- Access to one major software release per annum
- Annual, on-site comprehensive system health check and report
- A site-wide CustomerNet and GCS subscription
- Automatically delivered documentation
- Release training
- Integrated access to the full user community with key events for personnel

PPG Industries upgraded to the Mesh network in 1.5 hours!
To view this client video, click here: [Lifecycle Management](#) or visit the [IPS website](#).

This component can be extended and tailored to individual requirements with IPS' LifeTime Service offerings, including:

- Safety Integrity Audits and SIL analysis
- Remote monitoring and exception reporting
- Consignment and bonded spares
- Certification programs, including TÜV for safety engineers
- Engineering support for planning and executing software or equipment upgrades
- On-site resident engineering services to complement and extend skills and expertise

As with the **PROTECT** and **RENEW** components, the **SUSTAIN** component can be selected independently (for systems only), but may also be combined into one comprehensive service agreement including all hardware, software, and services requirements - again, avoiding the need for capital expenditures.

Speak to an IPS Client Executive today about how IPS and clients have worked together to deliver sustained performance and safety assurance – a true **Performance Advantage**.



> CONTACT US

IPS Corporate Office
 5601 Granite Parkway
 Plano, TX 75024, USA
 Main Phone: +1-469-365-6400
 Intl. Service: +1-508-549-2424
www.ips.invensys.com