A man with short brown hair and glasses, wearing a light blue button-down shirt and a blue lanyard, is standing in a server room. He is holding a 3.5-inch SATA hard drive in his hands, looking at it intently. The background shows rows of black server racks with various components visible. The lighting is bright, coming from the left side.

Upgrade AVEVA PI System Service



PIPER Solutions is a company that helps transform operational data from sensors, actuators, equipment, DCS and control systems into information. Connecting people, processes and assets with knowledge that allows them to analyze and make timely decisions, optimizing processes and operating costs.



We also provide services related to the management, improvement, implementation, updating and solutions related to AVEVA PI System. This suite of AVEVA solutions enables digital transformation through high-quality and reliable operations data. Collect, enhance, and deliver real-time data at any location. Give more knowledge to engineers and operators. Speed up the work of analysts and data scientists. Support new business opportunities.

Get the best version of PI System

The service consists of reviewing the installation, configuration and use of AVEVA PI System™ and its components, culminating in the delivery of a detailed report. The scope of this package is limited to a single site, consisting of 1 PI server node, up to 5 interface nodes, 1 system administrator node, 3 custom or third-party applications, and up to 5 PI client stations.



La versión más reciente de PI System **reduce la tensión** de las actualizaciones y brinda una forma de mantener su servidor PI actualizado y seguro sin consumir muchos recursos.



Trained team: OSIsoft trained and certified engineers will guide you to get the most out of your PI System.



Experience: With more than 6 years of experience handling incidents, we even know what issues can cause you difficulties.



Global: This service is available to you anywhere in the world.

A full-page background image of two IT professionals in a server room. On the left, a Black man with a beard, wearing a blue sweater and light blue trousers, points at a laptop held by a white man on the right. The white man has a beard and glasses, wearing a light blue button-down shirt and dark blue trousers, and is holding the laptop. They are standing in front of tall server racks. The image has a blue color cast. A white text box with a yellow-to-orange gradient bar is on the right side.

Your Problems are
our Priority

1

Access to new features and functionality: Software updates bring new features and functionality enhancements, allowing you to get the most out of your system and gain additional benefits.

2

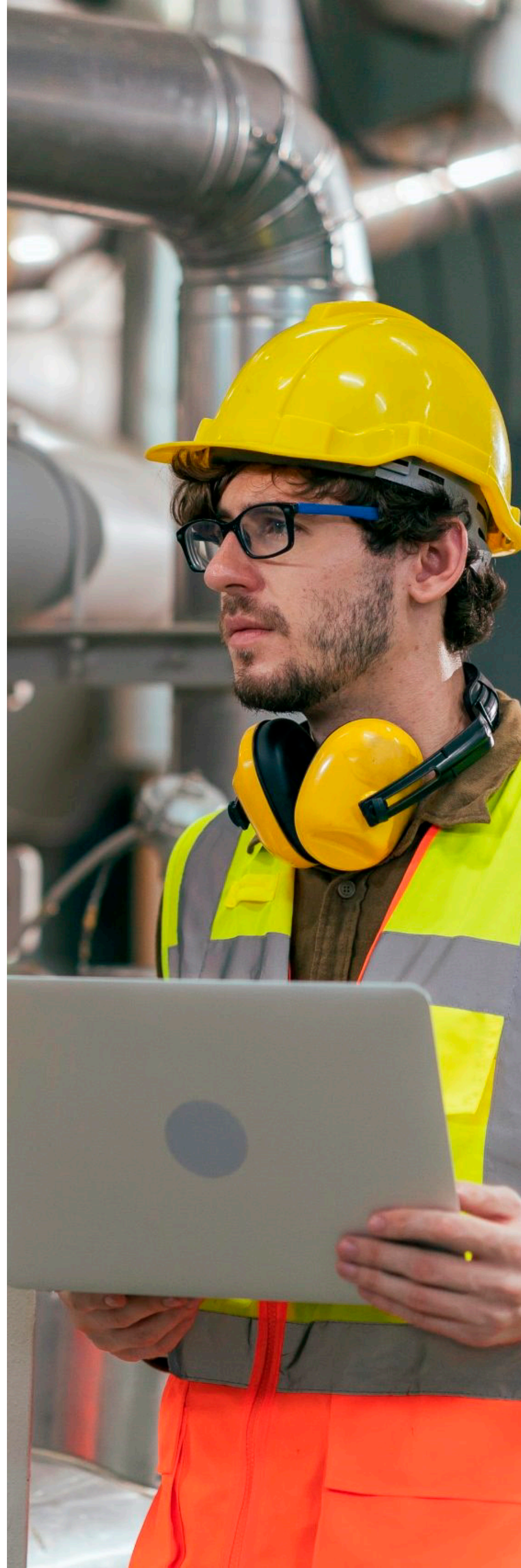
Increased stability and performance: Performance optimizations can improve your system's stability and accelerate data processing speed.

3

Up-to-date technical support: When you purchase an upgrade service, you can also get access to up-to-date, expert technical support. This will allow you to resolve any issues or questions you may have more quickly and efficiently.

4

Integration with emerging technologies: PI System upgrades usually take into account the latest trends and emerging technologies, allowing you to integrate your system with other devices or systems more effectively.



5

Cost optimization: Upgrades can include improvements in energy efficiency and resource management, which can help you optimize your long-term operating costs.

6

Improved user experience: PI System upgrades take into account user feedback and seek to improve the overall user experience. This may include a more intuitive user interface, simplified workflows, and greater overall ease of use.

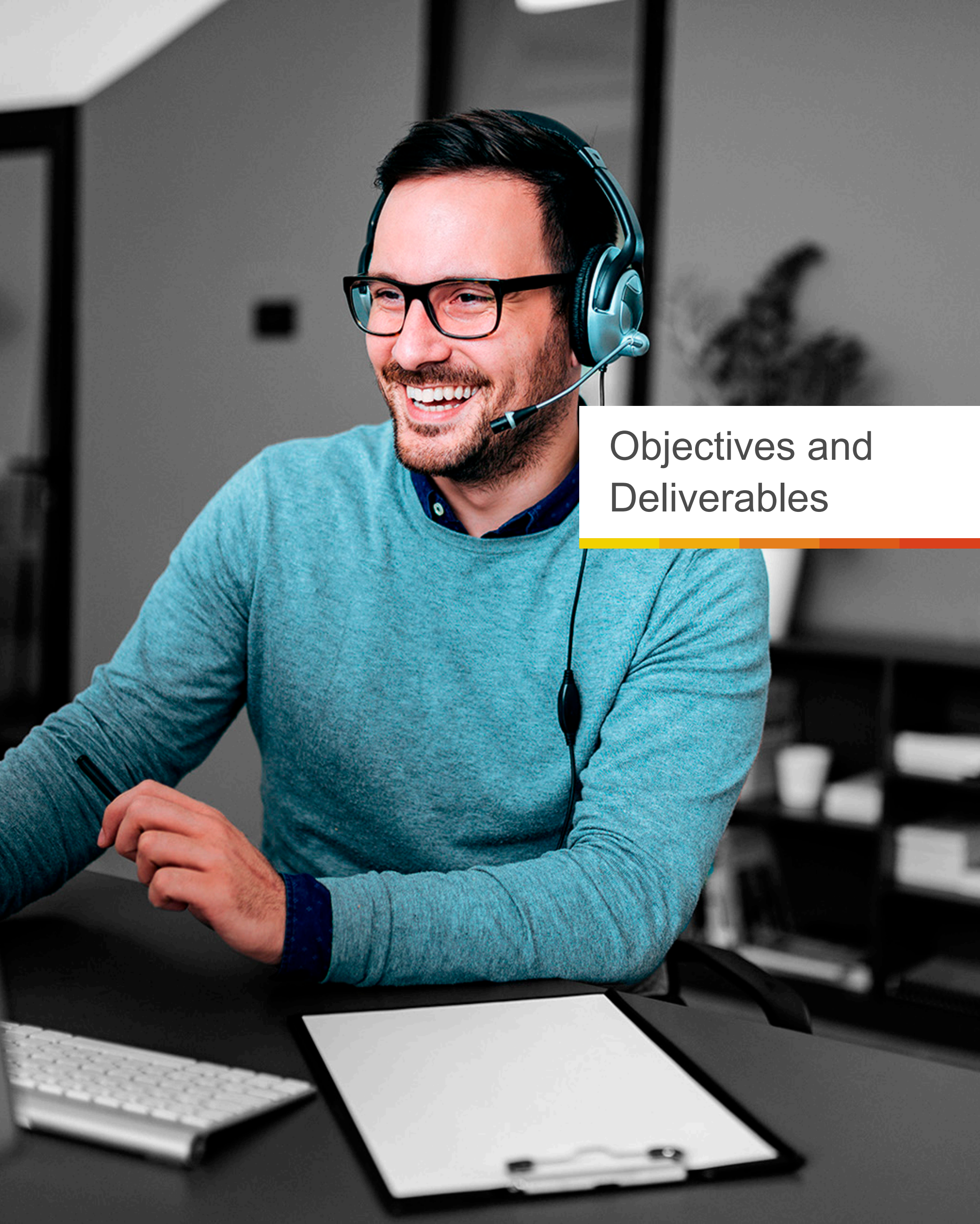
7

Long-term planning: Contracting an upgrade service gives you the opportunity to establish a long-term plan to keep your system up to date on a regular basis. This helps avoid obsolescence issues and keeps you up to date with the latest technologies and market trends.

8

Maintaining security: PI System updates usually include security patches and bug fixes, which helps ensure the integrity of your data and protection against cyber threats.





Objectives and Deliverables

Scope of the Update Service

Part I

Before starting the Upgrade service, the pre-installation requirements list will be checked, such as verification that the hardware and operating system meet the requirements and that a proper IP backup was performed prior to the upgrade.

Part II

The service comprises the latest updates of: Asset Framework (AF) Server, Asset Analytics and AVEVA PI System Explorer. In addition, you have the option to migrate up to 100 legacy notifications (version 1.x) or notification templates to notification rules (version 2.x) during a notification upgrade. So you may require an additional day for verification and creation of additional archive files, if necessary. And perform testing of a client connection (PI SDK and PI API).

Part III

The installation service will perform an inspection and modification of the Data Archive tuning parameters to comply with Aveva's technical support best practices. In this we will configure the daily backup of your PI System, review your site backup and recovery procedure and install PI interfaces for system monitoring.

Part IV

We will proceed to verify and test the PI Buffer Subsystem on acquisition nodes, inspect interface IO speeds and data flow, install the

latest version of the System Management Tools (SMT) on the Data Archive and on a management station. Finally, we will give an overview of AVEVA technical support, an introduction to the PI System and deliver an installation report.

Requirements for the High Availability Service

Hardware and operating systems of all AVEVA PI System nodes must be installed and operational before starting the service. A PIPER specialist will confirm if they meet the hardware requirements during the preparation stage. So the hardware of the acquisition node (API Node) and its operating system must be installed and functional.

TCP/IP communication must be enabled and operational between all AVEVA PI System nodes and the necessary ports must be open. Data Archive communicates through port 5450, AF communicates through port 5457 and 5459, PI analysis service communicates through port 5463, PI notifications communicate through port 5468.

Most PI interfaces and connectors require **third party hardware and software** that must be installed and operational. Specific requirements will be validated during the pre-installation checklist review.

The customer must have a valid account on the AVEVA technical support website with permissions to download all required software. This account will also be required to generate a license file for the Data File.

Estimated Upgrade Service Time

The upgrade process, from order to completion, normally takes 3 to 4 weeks:

Week 1: Communication of prerequisites. Confirmation of installation date with PIPER.

Week 2: Download the latest version of the software to be upgraded from the OSIsoft support website.

Week 3: Onsite or remote upgrade by OSIsoft (4-6 days).

Limitations to upgrade: Modification of custom applications or third party products, including VBA code in AVEVA PI Processbook or PI DataLink, is not included in this package. This package does not include Asset Framework High Availability configuration.



+51 976222093

Jr. Camilo Blas 299, 4to piso

contacto@pipersolutions.com

www.pipersolutions.com