

Visions Enterprise

The Global Standard in
Asset Integrity Management



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Chemical manufacturers are essential to the economy, supplying the market with more than 100,000 different chemical compounds, according to the World Economic Forum. Many of the substances are caustic and can wreak havoc on production assets. According to the American Chemistry Council, U.S. chemical producers spent \$1.26 billion on planned maintenance activities in 2017, an increase of 38% over 2017.

While the amount spent on planned maintenance is staggering, it pales in comparison to unplanned work, which can cost 2 to 5 times more than scheduled activities, according to the Marshall Institute. Therefore, chemical manufacturers must do everything they can to manage the assets in their plants.



“...U.S. chemical producers spent \$1.26 billion on planned maintenance activities in 2017...”

Challenge: Managing Assets in Your Chemical Plant

Fixed equipment. Rotating equipment. Process piping. Your assets are the lifeblood of the company. Because you count on them, they need to be managed.

Asset integrity management (AIM) is essential for any business that relies on using its assets to generate profit. AIM software tracks essential performance data throughout each asset's complete lifecycle from procurement to disposal. This data can include the usage, condition, maintenance, and average lifecycle of each asset—vital information that you need to know. By gathering asset data, you can gain greater insight into the usage and reliability of your most important assets.

In Chemical Manufacturing, What is Essential?

Chemical manufacturing is a challenging, asset-intensive world. To meet the high demands of this field, reliability and maintenance are essential. A single day of downtime due to a failed asset can come with not just lost time, but a hefty expense. In the short term, you lose revenue. In the long term you lose your reputation. In the cutthroat world of chemical manufacturing, you don't want to be known as the company that failed to deliver.





Why is This a Big Deal?

An asset failure is a big deal. But an even bigger deal is failing to take measures that protect health, safety, and the environment. It is not enough to deliver to an on-spec product in a timely fashion. If you destroy the lake next to you, you have failed and your reputation will certainly be tarnished. It could even result in criminal liability.

Studies have shown that many companies ignore asset integrity management—to their peril. By not monitoring asset reliability, vital chemical equipment and production machinery could fail. In the highly corrosive environment of chemical manufacturing, proper asset maintenance is essential.

Are you concerned about committing one of the Seven Deadly Sins of asset integrity management?

The seven deadly sins of asset integrity management encompass the mistakes or barriers to success often experienced by manufacturers. For example, replacing the same pipe in the past four years could be a sign that your company is suffering from one of the common areas of concern and the constant need to replace a cheap pipe can become very expensive.



“Studies have shown that many companies ignore asset integrity management—to their peril.”



“While all may not apply at one time, each one poses a significant threat...”

Consider your company's processes. Do any of the following “deadly sins” apply? While all may not apply at one time, each one poses a significant threat to your company's ability to reach its goals.

- Suffering from unplanned downtime of mission-critical equipment due to ignoring maintenance schedules
- Blowing through your repair budget on high maintenance and repair costs due to failure to manage assets properly
- Struggling to deal with safety and environmental issues due to loss of containment
- Enduring high turnover of critical assets
- Managing delays due to material and inventory management
- Failing to identify and track asset performance for systemic process improvement.
- Admitting limited understanding of the ROI of your assets.





How Metegrity Addresses the Seven Deadly Sins

Don't fall prey to the Seven Deadly Sins of asset integrity management. Metegrity is one provider delivering multiple comprehensive solutions.

Metegrity Reduces:

- Downtime of mission-critical equipment
- Repair budgets because of predictive inspection
- Safety issues around loss of containment
- Turnover of critical assets
- Over-inspection of assets resulting in increased costs and reduced ROI

Visions Enterprise Gives:

- Maximized investment of your assets when choosing specifications
- Ability to determine the risk of each piece of equipment by assessing the likelihood and consequence of a loss of containment
- Money back into your budget by extending the intervals between inspections on low risk equipment
- Management of hard-to-find assets
- Tools to identify the need for spare parts, such as a spare heat exchanger bundle, as one of the outputs of a risk-based inspection (RBI) study
- Streamlined spares inventory management system
- Insight to identify and track asset performance



Reduce your problems; reduce your costs with Metegrity Visions Enterprise

A worker in a yellow hard hat and plaid shirt is shown in profile, looking towards the right. He is holding a large sheet of paper, likely a blueprint or technical drawing, which is the focus of the image. The background is a blurred industrial setting with metal structures.

Challenge: Managing Assets Manually with Paper and Excel

As times change, so must your ways of managing your assets. Unfortunately, many companies choose to manage their productive assets by paper. This is a costly mistake. Through a recent survey, chemical plant operators shared the many problems they experienced when managing their assets using manual processes, such as paper documents and Microsoft Excel files. They reported the following problems:

- Manual processes for asset integrity can't link to their ERP systems
- Manual processes make it challenging (or even impossible) to determine the correct predictive inspection routines
- Manual processes make it challenging (or even impossible) to determine the best type of predictive inspection routines
- Manual processes make it challenging (or even impossible) to get up-to-date asset lists and equipment records
- Manual processes lack any automated way to gather feedback on improving safety of chemical processes.



How Metegrity Addresses Paper and Excel

Metegrity gives you options to:

- Track your assets using AIM to determine the best predictive inspection routines
- Digitalize asset records to be able to quickly find the records you need
- Identify the best type of prescriptive inspection plans to take
- Receive current asset lists and equipment records whenever you need them
- Manage the performance of your assets
- Automate the process of gathering feedback to improve safety of chemical processes
- Interface with the plant data historian allowing real-time feedback on changes in operating conditions

Save time; digitize your asset integrity management.



Challenge: Managing Assets with Existing AIM Systems

We understand that every company has their own specific needs. That's why with Visions Enterprise, we offer a comprehensive program that delivers complete solutions from the wellhead to the shipping terminal.

Consider this:

- Does your asset integrity management software contain the know-how of a consortium of 30 industry experts?
- Does your asset integrity management software contain industry know-how from the most knowledgeable subject matter experts (SMEs) in the business?
- Does your asset integrity management software link to virtually any type of CMMS, such as EAM, SAP, Maximo, InforEAM, J.D. Edwards, and others?
- Does your asset integrity management software apply the power of risk-based inspection (RBI)?





How Metegrity Addresses Existing AIM Systems

A consortium of 30 industry experts across industries achieved consensus on many different best practices. This means that your processes can be aligned with that of the standards groups, such as ANSI.

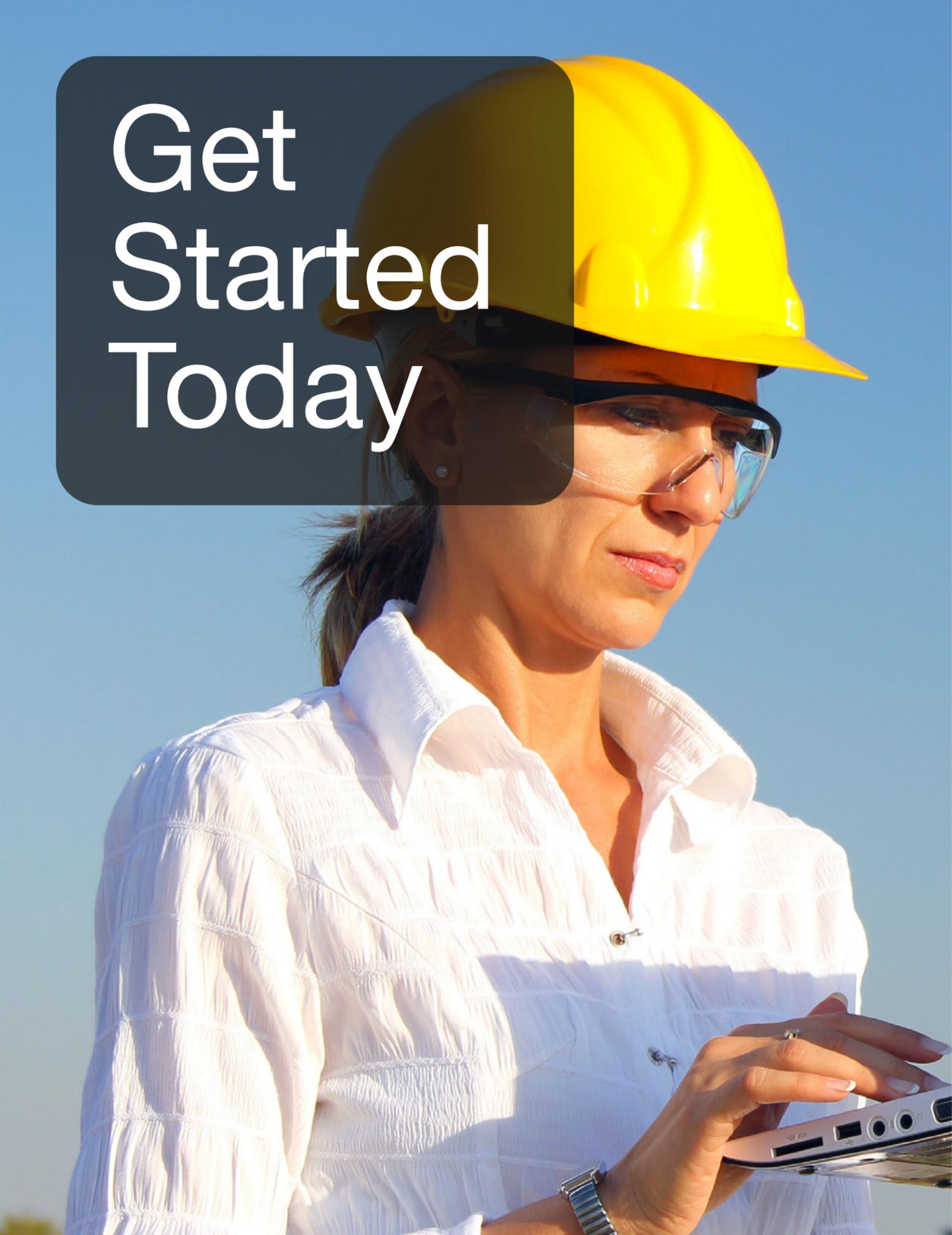
What Does Implementing Best Practices Look Like For You?

- Visions Enterprise applies best practices, and sets your system up for built-in industry knowledge so that you can make the most of your SMEs and support team. Visions Enterprise is also configured to the chemical plant's work processes. Your work process does not need to change to support Visions Enterprise.
- Visions Enterprise has been built by users for users. They know what they want, and Metegrity developed Visions Enterprise to accommodate your needs.
- Metegrity seeks first to understand the application environment, then sets out to develop the software solution, unlike many software designers who start with a "solution" and then search for problems to solve. Metegrity has its roots as a field-based organization.
- Visions Enterprise integrates with a variety of CMMS: EAM, SAP, Maximo, InforEAM, J.D. Edwards, and others.

When you invest in Visions Enterprise, what you get is Everything. No need to re-purchase items in the future and no recurring license fees. Align your company's processes with the global standard.



Replace your existing AIM system with Metegrity Visions Enterprise



Get Started Today

Contact Metegrity to find
how Visions Enterprise
can transform the asset
integrity management in
your chemical plant.

Toll-free: 866.485.8500

sales@metegrity.com

Learn more at Metegrity.com



Manage asset health using our asset integrity management software for single to multi-site plants and facilities.

Visions Enterprise is a comprehensive, risk-based asset integrity software solution that supports all equipment types in a single platform. The solution is configurable, with seamless integration to CMMS systems, such as EAM, SAP, Maximo, InforEAM, J.D. Edwards, as well as AutoCAD, data logger instruments, data historians, and others.

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