HOPTIAM
OPTIMIZED BREWERY MAINTENANCE

HoptiAM™ is a brewery equipment maintenance management software system designed specifically for the craft brewing industry. HoptiAM™ helps you plan, optimize, execute, and track maintenance and other management activities, along with the priorities, people, materials, tools, and technical information associated with managing and maintaining your physical assets. HoptiAM™ was developed to provide an easy to use solution that can be quickly implemented in breweries of all sizes. An intuitive user interface with preloaded equipment and maintenance tasks and schedules specific to the brewing industry, such as mashing tun maintenance and cleaning, grain mill maintenance, tank/vessel preservation, and boiler maintenance enables your staff to use HoptiAM™ with minimal training and upfront setup work. HoptiAM™ also allows the user to create customized tasks and maintenance schedules to suit their specific needs. HoptiAM™ ensures your equipment will be kept in better condition through appropriate preventive maintenance and reduces the time required to perform that maintenance by providing intuitive instructions. You've invested a lot in your equipment, HoptiAM™ helps you protect that investment and spend more time making beer and less time thinking about maintenance.

BENEFITS

- Improve equipment efficiency with a proactive maintenance schedule
- Easy to use by any skill level whether you have dedicated maintenance staff or not
- Manage Work Orders at multiple sites from one location
- Increase productivity with mobile technology, putting information in the hands of those that need it
- View critical asset information from a centralized dashboard
- Easily communicate asset and maintenance information to all team members
- Improve staff efficiency through streamlined workflows

www.hoptiam.com

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Why HoptiAM™?

HoptiAM™ is the brewing industry maintenance management solution designed to optimize the performance of high-value equipment.

HoptiAM™ is designed to be easy to use and quickly implemented. For a craft brewer to be successful, brewing, canning/packaging, and delivery equipment needs to be maintained properly. This ensures minimal downtime and maximum production. HoptiAM™ provides you with a proactive maintenance program that will minimize equipment downtime, loss of production, and missed shipments.

Case Study

Canning machine at Big Storm Brewing - Manufacturer's specifications for maintenance were followed.

Monitoring - Early in life cycle noticed rust seeping out of bearing housings and flanges. Machine began to run rough as time went on.

Root Cause Analysis (RCA) - Investigation led to removal and inspection of the bearings. Machine had standard shielded bearings (vs. double-sealed) installed in wash down locations.

Corrective Action - Prior to bearings failing, they were strategically scheduled for replacement in between canning runs to keep the machine operating and not miss orders.

Result - Bearings upgraded with stainless steel double-sealed bearings. If the bearings had failed severe damage may have occurred to bearing seats resulting in extensive downtime and repairs.

Gain real-time status and insight into equipment performance.

Data is translated into actionable knowledge, enabling continuous improvement.

Asset Management

Downtime due to equipment failure is the last thing a craft brewery needs. Outside of time and money for cleanup and repairs, it is critical to avoid lost production time - which leads to unfulfilled orders, frustrated customers and lost revenue.

Your brewery depends on using the right products and performing planned maintenance (PM) at the correct intervals. The easiest way to maximize your output is to properly maintain your equipment for efficient operation. HoptiAM™ allows you to achieve optimized equipment maintenance by automatically scheduling PM for your assets - listing the correct chemicals, parts, tools, and procedures for proper preventitive maintenance.

HoptiAM™ was created with the end user's needs in mind, Designed from the ground up to be a flexible software package, ASI will work with you to tailor HoptiAM™ to your specific needs.

Safety within Brewery Maintenance

Breweries, like any production facility, present safety concerns for workers. Packaging machines, heated vessels, moving machinery, and forklifts each present unique safety hazards. Maintenance personnel and operators need to be aware of and how to mitigate hazards involved with maintenance activities. Providing the maintenance technician with the proper Lock Out/Tag Out procedures prior to performing maintenance is critical. Identifying signage and location to be placed on the equipment while maintenance is being performed is also critical for operators to prevent injury to themselves or others. HoptiAM™ provides maintainers with the proper safety information they need for each piece of equipment.

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Simple and intuitive user interfaces that help you gain real-time status and insight into equipment performance.

Asset Manager This module identifies, defines, and documents assets. You can add assets and define attributes such as serial number, location, warranty, and vendor information. The Asset Manager allows you to group assets into physical and functional hierarchies and identify assets via QR code or RFID tags. The interface provides intelligent searches for quick access to a variety of lists and information about your assets. For spare parts and consumables, Asset Manager will track quantities on hand, establish reorder points, and identify vendor information.

Task Developer Develop the procedures and identify all of the resources needed to support your assets. Task Developer identifies resources needed to perform preventative and corrective maintenance tasks and groups these tasks into maintenance packages. The Task Developer can also generate maintenance manuals, standard operating procedures (SOP) and emergency operating procedures (EOP). Revisions can be tracked and releases controlled. Task Developer also creates automated checklists for use with the **HoptiAM**™ mobile application.
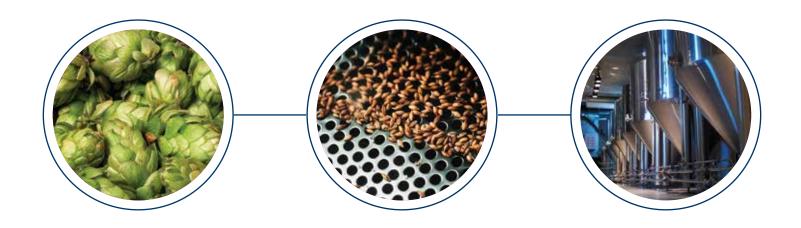
Maintenance Optimizer Optimize your
maintenance schedule based on individual asset usage and
environment to minimize down time or cost. The Maintenance
Optimizer provides a full featured work order management
system to schedule, manage, execute and document maintenance
workload. It can also schedule actions such as contract or warranty
renewals, plan upgrades and set alert triggers to generate auto-
mated work orders based on inputs from inspections, PdM or
equipment monitoring systems. The Maintenance Optimizer provides
near real-time equipment status to other modules in **HoptiAM™**.

Live Library With the Live Library all available
maintenance, operating procedures, and resource information
is at the fingertips of any user in any location. Live Library
stores, associates, and classifies technical data associated with
individual assets providing an intuitive, searchable interface
for easy access. Live Library also allows the user to add notes
and comments to documents as well as utilizes a print function
to promote knowledge sharing.

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Additional Features

Software as a Service

Developed using the latest rich Internet application technology and standard data formats, the **HoptiAM™** environment delivers an intuitive and consistent user experience across all major operating systems.

SaaS

HoptiAM™ is offered as Software as a Service (SaaS) on a monthly subscription basis. Affordable monthly or annual plans let you implement HoptiAM™ with no risk and minimal upfront costs. All you need is a web browser and an internet connection.

Some of the many advantages of the SaaS solution include easier setup, lower initial cost, painless upgrades and no system administration. The hosted solution provides for data security, redundancy and backup. Our servers are hosted by Amazon Web Services, in a professionally managed hosting facility which provides for redundant backup power, fire suppression, redundant tier 1 Internet access and biometric controlled physical access, ensuring your data is safe and secure.

HoptiAM™ Mobile Application

Improve maintenance accuracy and efficiency by accessing technical data and documenting work at the point of performance. These applications allow you to operate offline or online via cellular or Wi-Fi connection. The applications manage and synchronize work orders in real time and give you access to searchable technical data and attached multimedia such as instructional videos. You can scan parts for work orders and inventory control using optical codes or RFID. HoptiAM™ Mobile uses text and media capture to record results and capture electronic checklist results.

Testimonial

"As a small business owner, it's critical that we stay a step ahead when it comes to the service and maintenance of our entire brewing operation – from cleaning the boilers to servicing the canning line to making sure all of our vehicles get their oil changed on time. ASI's **HoptiAM™** allows us, in one simple to use program, to do just that. It keeps our team on task both today, next week, next month and next year while protecting the investment we've made in our equipment. In short, this program saves us money".

- L.J. Govoni, Big Storm Brewing

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Andromeda Systems, Incorporated (ASI) is an ISO-9001:2015 company committed to superior technical performance and excellence in customer satisfaction. Our mission is to assist asset and fleet managers in achieving optimal levels of economy, availability, and safety by developing and applying leading systems engineering tools, processes, and expertise.