



# TigernixPredictive

Asset Predictive Analytics System

SOLUTION OVERVIEW



## SOLUTION OVERVIEW

Existing IT systems of your organisation prove the efficiency that they can unlock when exerting your business processes. Likely, Tigernix Predictive is a not-to-be-missed software solution to your company- especially if your company is established in an asset-intensive industry. An Asset Predictive Analytics System is a technological solution that enables its users to capture real-time asset data. With the assistance of modern technology, it has the propensity to track and assess vast spreads of assets spanning from equipment to assembly lines to massive industrial sites and infrastructures.

Assets of the digital age yield an abundance of asset data every minute! Not being able to eventually capture this intel would deprive you of enhancing the uptime and learning the actual performance rates of assets comparative to desired rates. This is where Tigernix Predictive comes in; we help you understand your assets better. The well-tested predictive algorithms fostered in this solution allows you to determine future downtime giving you the advantage of streamlining your asset performance while constantly being at its best form.

# ADVANTAGES

## Eventfully Capitalise your Asset Data to evade failures

TigernixPredictive is well-versed in capitalising your historical and real-time asset data to showcase scientifically proven asset data through reliability charts to understand how efficiently your assets are functioning at any time. Overriding the retro-fitting age-based predictions, TigernixPredictive is a software solution that uses real-time condition-based predictions to keep asset managers updated and confident in managing assets 24/7.

TigernixPredictive's Asset Reliability Matrices are comprehensive models that harness asset data to help you understand asset behaviours better. It expands its services further by housing well-trained AI models to enable you with insightful data on asset decay and downtimes from years ahead- fascinatingly it could generate predictive data from 5 to 10 years afore.

## It's a better investment for your existing IT structures

Even though accommodating an EAM in your corporate IT structure is mandatory, it does not serve as a predictive solution to graph and understand the nature of assets precisely. EAM systems play an essential role in managing and tracking your assets' maintenance protocols, but it does not enable its users to discover advanced asset analysis insightfully.

TigernixPredictive allows online monitoring of asset performances and early detection of asset collapses and substandard performances. Additionally, due to TigernixPredictive's absolute flexibility and integration to your existing solution, your asset custodians and financial team can work collaboratively- it has perfect integration with your existing IT networks.

## Level up your OEE Performance under a single glass pane

Constantly upheave your OEE standards to be at its golden level by harnessing TigernixPredictive. Our solution enables your asset managers to be well-apprehended about your enterprise's asset availability and asset performance, giving you a 2/3 of information needed to ensure 100% productivity in your corporate-level operations.

Our solution's ability to spot outliers and anomalies within a blink would unlock proactive decision making chances to streamline site-wide asset functions while resulting in operative excellence of your enterprise.

## **Place undeniable reliability on corporate assets**

Since you will be provided scientifically proven insights on the level of function, decay rates, and at reliability, you will be granted the confidence to maintain and exploit your company's assets without expecting unprecedented downtimes. TigernixPredictive houses asset criticality and reliability models that have the tendency to track premature ageing of assets, concurrent asset conditions and allows you to proactively trigger service requests in case it identifies machine discrepancies in real-time. This solution's competent risk management tools will ensure that the remedial services and tech team meet your assets in time.

## **Cut down asset spending effectively**

One of the main advantages of TigernixPredictive is the main role it plays in asset investment savings. It would discretely generate information needed to exert financial decisions regarding asset servicing and replacement with scientifically proven data. Asset managers can access the Asset Decay Models to pinpoint critical assets and make financial solicitations with the decision-making parties by provisioning relevant data on the level of criticality, the urgency and the budgetary requirements in a transparent manner. This cuts down unnecessary asset service costs and over-budgeting of asset upgrades or replacing projects.

## **A Security Like No Other**

TigernixPredictive houses security protocols to smartly limit users to a granular level to make sure that sensitive asset data will not be jeopardised by any unpermitted user. User access and data sharing authentication protocols will be strict and compliant to regulatory measures of your company; therefore, your asset data will not be misdealt or misused in a fraudulent manner.

## **Proactive Diagnostic Services**

TigernixPredictive withholds an authentic advantage for its user because it allows the user to proactively check for the availability of maintenance service accessibility in real-time. Once the predictive model displays a particular threat in the future, you can use the Service Delivery Model to check how fast you will be able to receive maintenance services with regard to the prediction and make sure that your service downtimes will not be too latent to hinder your company's productivity.



## **A holistic solution to any Asset Class**

Interestingly, any asset-intensive organisation can employ TigernixPredictive in any industrial realm. Here are some asset classes that can be efficiently and effectively managed by our solution.

- Residential and Commercial Real Estate
- Industrial Equipment and Machinery
- Powerline and Distribution Grids
- Transportation Infrastructure
- Water Treatment Sites
- Properties and Lands
- Mechanical Assets
- Road Infrastructure
- Bridge Structures
- Dam assets

# BASIC FUNCTIONALITIES

TigernixPredictive inherits noteworthy basic functionalities that will expedite your journey towards optimal asset deployment.

## Real-time Asset Data Capturing

TigernixPredictive derives real-time asset data empowered by proprietary algorithms and user-friendly dashboards alignment in compliance with ISO 55000. By harnessing this intel, you can find comprehensive asset insights to optimise your end-to-end asset productivity and efficiency at any time you want.

- Real-time asset performance updates from visualised dashboards
- Study Maintenance Support responsiveness at any time
- Detect concurrent asset outliers
- Cross-platforms to compare asset performances
- Drag and Drop editing
- Real-time KPI directive updates
- Real-time Collaborative Data Visualisation
- Simulated dashboard to visualise 100% asset performances
- Asset Management proprietary Algorithms
- Constantly updated Asset Criticality Matrices

## Asset Decay Visualisation

Assets decay rates can be captured comprehensively spanning from single equipment to assembly lines to site-wide assets' decay rates. Since TigernixPredictive is an operative condition-based asset predictive analytics solution, it has the propensity to detect specific asset decay data as well.

- Asset Decay Identification Matrices
- On-demand asset decay reporting
- Efficient Search Boxes
- Trained Decay Models per asset
- Scalable Asset Condition Profiles

## Predictive Technology

Predictive technology empowers reliable Asset Failure Predictive Analytics Protocols to provide precise instances of asset failure. These analytical insights can be used to save time wasted by unscheduled downtimes and money invested in dispensable maintenance-costs. This functionality is the drive towards expediting your asset recovery or replacement processes before they result in detrimental downtimes. TigernixPredictive is the most competent Asset Predictive Analytics solution that captures asset failure data eventfully.

- Predictions spanning from 5 to 10 years
- Scientifically proven Asset Failure Profile Management
- Asset Reliability Matrices
- Asset Failure Mapping Tools

## Risk Management

This solution's risk management tools allow you to tackle the asset condition life-cycle data to address most critical assets in advance. Your assets can be labelled according to their conditions so that the asset custodians would know which assets are critically in need to be either run under maintenance check-up or replaced with a new investment.

- Easy dispense of unusable assets
- Expedites asset upgrading processes
- Proactive risk identification
- Visualised Asset Lifecycle Models
- Reactive Asset Anomaly Detectors

## Asset Reporting

Asset Reports can be generated at any time according to the asset custodian's request. Asset profiles, decay profiles and yearly asset functioning data reports can be easily requested and printed by TigernixPredictive. These reports are resourceful for financial, managerial and operational level decision-makers of the business.

- Customised report generation
- Data visualisation tools
- On-demand automated report generation
- Simplified reporting capabilities



## Asset Maintenance Scheduling

TigernixPredictive allows you to schedule maintenance check-ups by aligning the decay profiles of assets with your organisation's availability of maintenance services. Critical assets that need urgent servicing procedures can be scheduled sooner by employing this feature.

- Updated Service Delivery Models
- Asset Decay Identification Matrices
- Simultaneously manage maintenance profiles
- Shortcuts in alerting maintenance teams
- Track how fast the service team arrives
- Keep track of downtimes during maintenance efforts

## Precise Financial Information

Our advanced predictive analytics solution projects scientifically-proven data through interactive interfaces to help asset managers to pre-plan asset-related financial decisions that would usually take time to process. TigernixPredictive would show most relatable financial investments to the company's decision-makers; therefore, they will not have to blindly invest in someone else's non-future-proof request. Instead, they can use this solution to understand why this investment is vital and how soon it must be made to facilitate the company operations.

- Structured Financial Report generation
- Automated Solicitation reports to pitch investments
- Anti-tampering security measures
- Scientific, financial data generation
- Predicting budgetary requirements
- Asset Investment Profile Manager
- Distinguishes capital and operational expenses



## **Asset Data Protection and Compliant Regulations**

TigernixPredictive has noteworthy and well-rounded security protocols. It ensures that your asset data is not tampered or shared by unpermitted parties. It also ensures that the asset maintenance processes have not deviated from the regulatory compliances and makes sure all procedures are aligned with the safety standards and effectual asset health check-ups.

- Access authentication technology
- Encryption technology when sharing data
- Passcodes and recognition tests
- Anomaly detectors to alert about suspicious users
- Automatic reminders of asset health assessments

## **Advanced Analytics**

Advanced Analytics technology empowers TigernixPredictive to generate analysis on current and better asset deployment smartly. When trained under the business environment, the AI models of TigernixPredictive will utilise corporate asset data and historical data to provide insightful information about the best financial investments and better asset employment.

- Advanced Analytical Protocols
- Configurable two-dimensional analytics charts
- CMMS Database Integration
- Can be trained to be compliant to business-oriented standards
- Intuitive Dashboards to justify business spending on assets

## **Integration of Modules**

TigernixPredictive is an amalgamation of models and solutions empowered by modern technology to predict and evade asset mismanagement at every level. Its ability to be integrated with other business IT solutions such as your business' EAM system and financial management system is very value-adding.

- Sync with existing IT structures
- Collaborative asset data sharing
- Transparency amongst permitted parties



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