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Available Usable Valuable

Anagold Madencilik Case Study



Key Takeaways

Leveraging asset management technology enables mine owners and operators like Anagold to optimise O&M, directly impacting control, productivity, and safety.

- Cloud solutions can work in remote regions. Offline options for mobile interaction are critical.
- Document control processes during a capital project should take into consideration how the information can be maintained post go-live and handover.
- Storing all critical project information in the same location can have significant productivity benefits.



Challenges

Anagold Madencilik Sanayi ve Ticaret A.S. is Turkey's largest gold producer, and the operator of the world-class Çöpler Gold Mine. The Çöpler Mine is located in the Erzincan Province, approximately 1,100 kilometres southeast of Istanbul and 550 kilometres east of Turkey's capital, Ankara.

In 2015, the mining giant began the \$700 million Çöpler Sulfide Expansion Project (ÇSEP), which aimed to extend the Çöpler mine life by 20 years. Achieving the successful construction and handover of this complex project would require close collaboration between Anagold's owners, internal teams and contractors around the world.

Anagold lacked a document management system that would meet such demands. As the project kicked off, the need for a single, easily accessible point of truth for all project-related data, contracts and drawings became critical.

Solution

In 2015, Anagold adopted RedEye to manage its engineering data and drawings during the construction, handover and operations of the ÇSEP.

This involved merging ÇSEP data with cleansed legacy operations data into a central data "bucket" - a single source of truth for Anagold's engineering data and drawings.

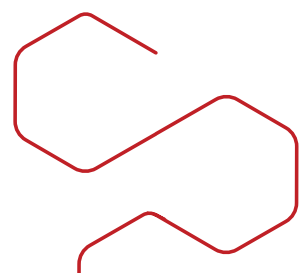
The ÇSEP project included over a thousand pieces of mechanical equipment. When combined with all the tagged pieces, instrumentation, electrical equipment and other items, more than 10,000 tagged pieces of equipment or piping had been physically installed and digitally recorded in RedEye.

From the outset of its RedEye implementation, Anagold focused on entering detailed metadata for every asset. Taking the time to do this properly from the start ensured that very specific searches could be built quickly by anyone on the team.

Maintaining the discipline of entering metadata also meant that Anagold continued to build value into its data assets and trust in RedEye. In doing so, the system remains relevant, accurate and trusted by those who use it.

"To do that with two doc controllers, and in many respects, better than other engineering firms and other projects I've been on with far greater numbers of doc controllers, is a real indication of the efficiency of RedEye."

John Ebbett,
Project Director, ÇSEP



Results

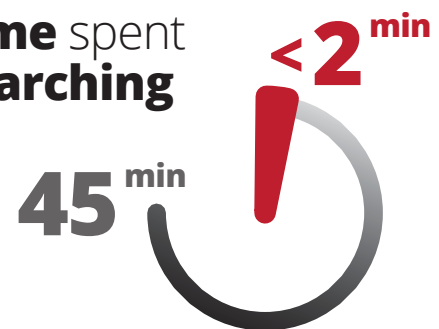
One of the early efficiency gains Anagold achieved using RedEye was being able to limit the number of document controllers for the entire project to just two people. The controllers managed all of the documentation across the project, from contracts and commissioning documentation to drawings, images and media files in multiple formats.

Vendors could also upload their documentation into the system easily, and from any anywhere in the world. This was vital for the project management team at the time. It also now provides Anagold with visibility of rich historical metadata associated with data assets from all aspects of the design and construction phases.

During the ÇSEP's construction phase, having the ability to quickly locate key data meant the project team could accurately respond to questions about how something had been built or how it was configured. Simply being able to pull the data up on a mobile device, reduced time spent searching for information from hours to just minutes.

Since the project has been handed over to Anagold's operations team, the RedEye platform now provides a broad range of critical operational intelligence.

**Time spent
searching**



For example, there are well known hazards involved in bringing a pox circuit online after a maintenance shutdown. Having accurate engineering data in these situations enables Anagold to take the appropriate safety precautions to keep its staff safe.

The system also provides customised workflows with flexibility to cater for online, semi-offline and offline business processes.

Whether access is required from a contractor out in the field or an executive in head office, everyone has access to a single source of truth with RedEye.

"We chose RedEye to collect the documentation and the knowledge that was created during the project to handover to operations. It's easy and fast to implement and it's something that we can turn on as a software-as-a-service. Configuration is quick, the learning curve is low and with having access for mobile and any web portal, it meant that when we were spread across the world as we were at the start of the project, everyone had access to the information as it was being created and reviewed."

John Ebbett,
Project Director, ÇSEP



About RedEye

RedEye is a technology company founded in Australia in 2012. Our vision is to make the world's critical infrastructure safer, easier and more efficient to operate and maintain. Today RedEye has six offices globally and helps our clients manage over \$250 Billion in large complex assets and critical infrastructure.

Our Software as a Service (SaaS) solutions including our engineering data management, asset and work management, bushfire risk management and digital twin solutions and our technology, process optimisation and change management consulting services are purpose-built for asset owners.

RedEye partners with the world's leading asset owners in utilities, resources, government, defence, healthcare and infrastructure to enable digital transformation in digital engineering, digital twin, asset management, analytics and bushfire risk management by making their asset data more available, usable and valuable.

RedEye's cloud and mobile based technology platforms integrate with, complement and extend our clients existing ERP, EAM, GIS, Safety and other core business systems. RedEye partners with leading technology companies including Microsoft, IBM, ESRI and AWS. We also partner with global and specialist systems integrators and consulting firms including KPMG to extend our reach and value globally.

RedEye's team and partners have developed deep domain and subject matter expertise working with numerous asset owners and critical infrastructure operators and are available to share best practice solutions, knowledge and processes.

To find out more about digital asset data management solutions visit [**www.redeye.co/mining**](http://www.redeye.co/mining).

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