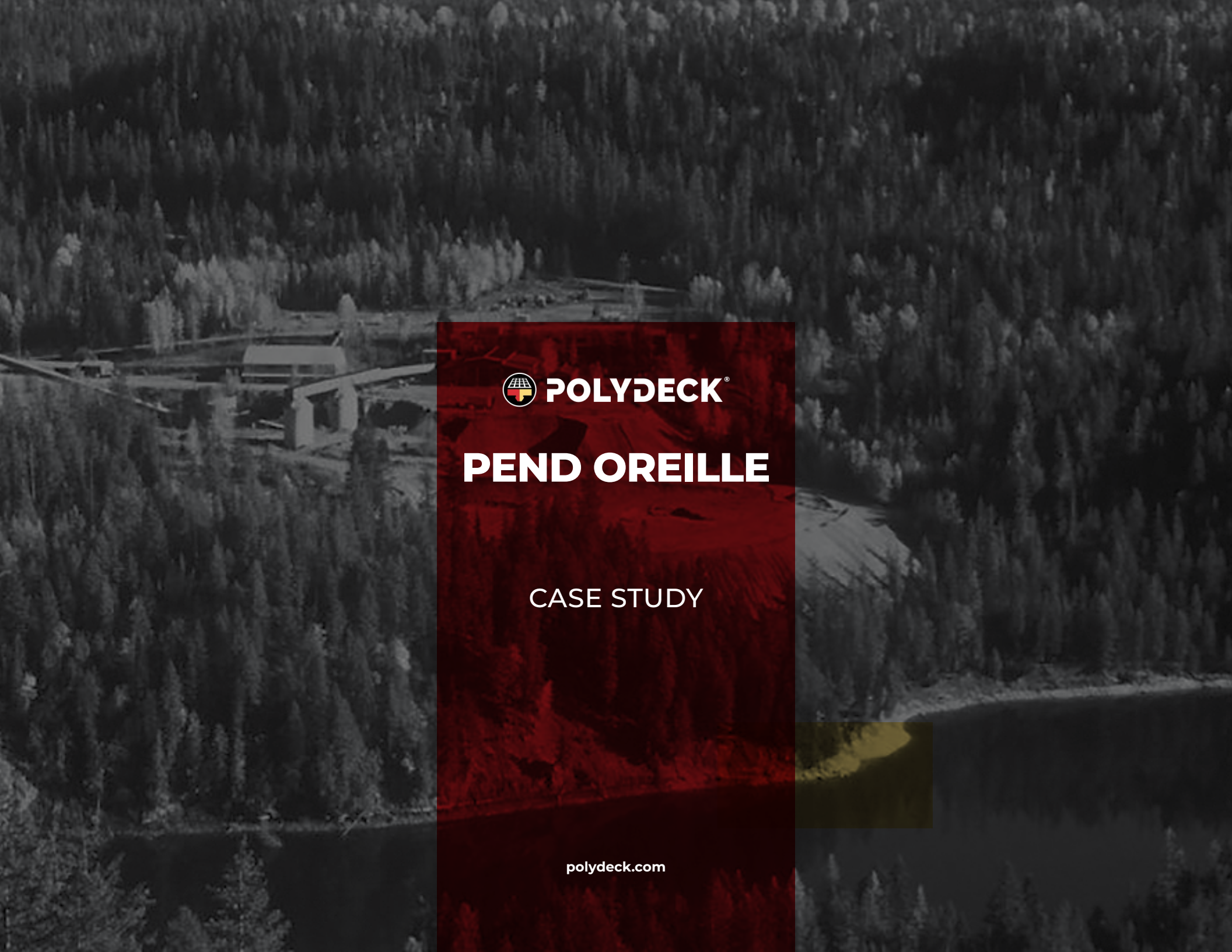


POLYDECK®

PEND OREILLE

CASE STUDY

polydeck.com

CHALLENGE

Pend Oreille runs an underground Lead and Zinc mine with a concentrator that supplies concentrates for metallurgical operations and smelting. Blinding issues can be common with underground ore due to its high moisture content. Pend Oreille was running side-tensioned rubber screen media with square openings on their top deck and z-slot herringbone flex wire on the bottom deck and experiencing considerable blinding issues on both. A heavier wire was used to try to increase wear life, but blinding only increased.

- Blinding
- Poor wear life
- Increased downtime due to change-outs
- Crushing and screening became a huge bottleneck for the operation

SOLUTION

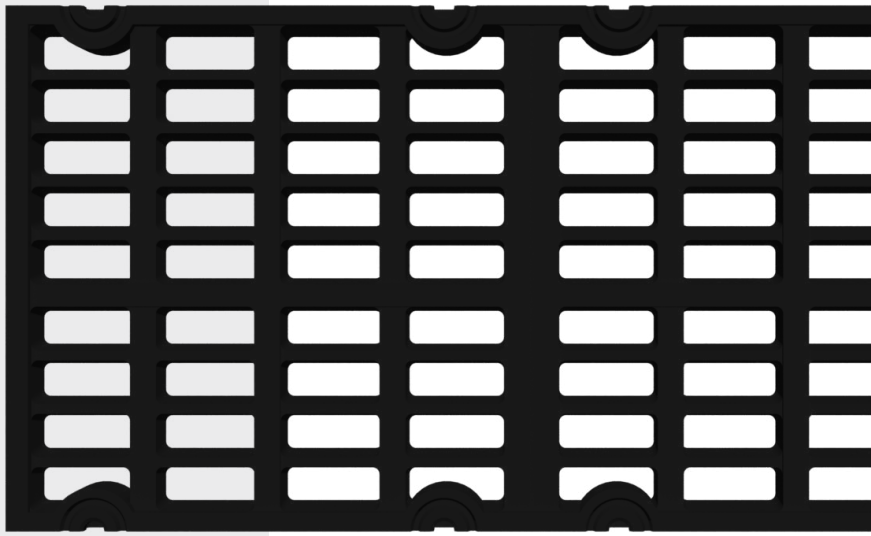
By transitioning to Polydeck's Flexi designed rubber panels, blinding issues were significantly reduced and the operation's bottleneck was eliminated. Maintenance and downtime became an issue of the past and throughput reached levels the operation had never experienced before. Because the throughput capacity was increased, only one circuit is typically operating during normal operating conditions, which reduced overall power use.

** Polydeck's Flexi designed rubber panels decrease blinding and plugging issues.*

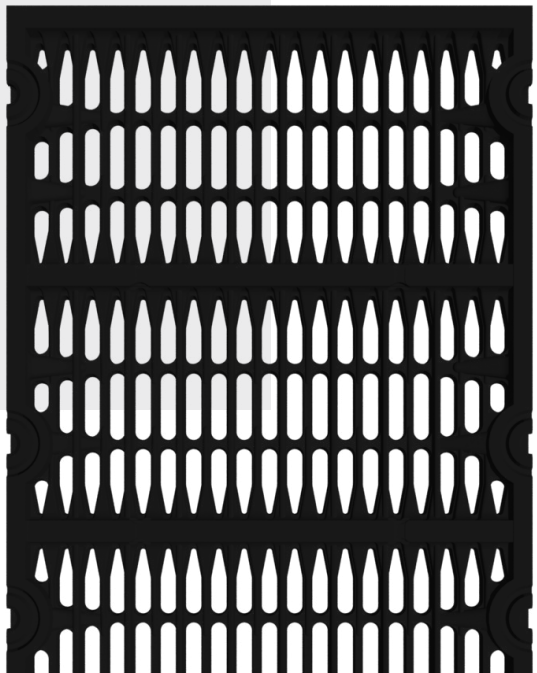
RESULTS

- Screen efficiency increased from 50% to 90%
- Increased liner wear life
- Ring bounce eliminated
- Throughput tonnage increased from 120 TPH/circuit to 170 TPH/circuit

** Image shows Polydeck's Rubberdex Maxi slotted aperture, PolySnap fastening used on top deck*



** Image shows Polydeck's Rubberdex Maxi slotted aperture, Flexi design, PolySnap fastening used on bottom deck*



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