BRUKS Siwertell
BULK HANDLING & WOOD PROCESSING

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ONE MACHINE - DOUBLE CAPACITY

Redefining redundancy in ship unloading operations. Traditional redundancy in bulk terminals has long been based on duplicating infrastructure, installing two identical unloaders to secure operational continuity.

But when one machine becomes unavailable, terminals instantly lose 50 percent of their unloading capacity. The operational consequences are immediate: longer vessel turnaround times, reduced efficiency, and increased pressure on terminal logistics.

The Siwertell EDGE ship unloader concept introduces a different approach. Instead of dividing capacity between parallel machines, EDGE is designed to provide operational flexibility through dynamic performance capability. During normal operation, each unloader runs efficiently at 600 t/h. When required, capacity can be increased up to 1200 t/h.

This means the terminal can maintain overall unloading performance even if one machine is temporarily unavailable due to maintenance or service. The same flexibility applies during final hold cleaning, where one unloader operates at reduced capacity while the second automatically compensates by increasing throughput.

The result is a more resilient and efficient unloading operation with improved utilization of installed equipment. Operational flexibility without compromise

THE SIWERTELL EDGE CONCEPT ENABLES TERMINALS TO:

- Maintain terminal throughput during service and maintenance
- Increase operational resilience
- Improve vessel turnaround performance
- Increase flexibility during varying unloading conditions
- Optimize investment efficiency without compromising reliability

Redundancy is no longer about duplicating machines. It is about securing performance when conditions are no longer ideal.

- One machine

- Double capacity
- No compromise on reliability