

Calculate your ROI



A NEW PRODUCTIVITY INNOVATION MAKING IMMEDIATE IMPACT

FIBER DRAGLINE MAIN PENDANTS

Since installation of the first synthetic fiber main pendants on a Marion 8200 dragline, the benefits have been numerous. So much so that the company is installing synthetic boom pendants on all of its draglines.

"This is not just a change of material, from steel wire to synthetic rope; these pendants are a productivity tool and have provided advantages from day one. They have increased capacity of the dragline, reduced the stresses on the overall system and are providing numerous operational and financial returns we weren't expecting."

NEW TECHNOLOGY PROVIDES MINE OWNERS NUMEROUS BENEFITS:

- Move More Material
- Extend Dragline Life
- Reduce Maintenance Costs
- Extend Life of Pendants
- Defer Your Next Boom Laydown
- Defer Maintenance Costs
- Reduce Installation Cost
- Reduce Welding Costs
- Reduce Inspection Costs
- Extend Life on Wear Components



RETURN ON INVESTMENT CALCULATOR

LEARN THE REAL IMPACT FOR YOUR OPERATION

With the assistance of our customers and partners, Applied Fiber has developed a return on investment calculator that demonstrates how converting to synthetic main pendants will improve performance and increase returns.

A short discussion with our team will allow you to enter key inputs relevant for your specific equipment, mine and operation, revealing how implementing this productivity tool will impact your mine site.

See the following case study examples:

INPUTS

Equipment Details - Size of Current Pendants:

Cost to Lay Boom Down:

Days Outage to Lay Down/Raise Boom:

Replacement Frequency of Steel Pendants:

Annual Maintenance Costs - Welding & Reinforcement:

Annual Inspection Costs:

Bucket Size: Strip Ratio: Soil Density:

Cycle Rate: Daily Output:

DRAGLINE ROI CALCULATOR

MARION 8200 DRAGLINE

Steel Lines - Cost Assumptions	Increased Payload / Operational Savings Assumptions	Downtime Cost Savings	Annual Increased Payload	Annual Increased Production - Welding Savings ¹	Savings Per Skipped Boom Laydown
<input type="checkbox"/> Include Assumption (Y or N)	Cost Savings Per Day				
<input type="checkbox"/> Cubic Yards	Density (lbs.)				
<input type="checkbox"/> Cycles / Day	Days / Yr				
<input type="checkbox"/> Annual Tons	Strip Ratio				
<input type="checkbox"/> Tons	Margin / Ton				
<input type="checkbox"/> Other Annualized Savings	Length of Annualized Savings (Year)				
<input type="checkbox"/> Life Time Equipment Cost Savings					
<input type="checkbox"/> Annual Increased Payload - Main Pendant Replacement					
<input type="checkbox"/> Annual Cost Savings by Maintaining Same Annual Payload					
<input type="checkbox"/> Annual Increased Payload - Host Line Replacement					
<input type="checkbox"/> Annual Increased Production - Welding Savings ¹					
<input type="checkbox"/> Savings Per Skipped Boom Laydown					
<input type="checkbox"/> Other Annualized Savings					
<input type="checkbox"/> \$ Value of Increased Output / Prod Breakdown - Lifetime Equipment Cost Savings					
<input type="checkbox"/> NPV					

RESULTS

Break Even Return Period	< 2 years
Internal Rate of Return	93%
Net Present Value of Investment	\$ 3,100,538

INPUTS

Equipment Details - Size of Current Pendants:

Cost to Lay Boom Down:

Days Outage to Lay Down/Raise Boom:

Replacement Frequency of Steel Pendants:

Annual Maintenance Costs - Welding & Reinforcement:

Annual Inspection Costs:

Bucket Size: Strip Ratio: Soil Density:

Cycle Rate: Daily Output:

DRAGLINE ROI CALCULATOR

BUCYRUS 1570 DRAGLINE

Steel Lines - Cost Assumptions	Increased Payload / Operational Savings Assumptions	Downtime Cost Savings	Annual Increased Payload	Annual Increased Production - Welding Savings ¹	Savings Per Skipped Boom Laydown
<input type="checkbox"/> Include Assumption (Y or N)	Cost Savings Per Day				
<input type="checkbox"/> Cubic Yards	Density (lbs.)				
<input type="checkbox"/> Cycles / Day	Days / Yr				
<input type="checkbox"/> Annual Tons	Strip Ratio				
<input type="checkbox"/> Tons	Margin / Ton				
<input type="checkbox"/> Other Annualized Savings	Length of Annualized Savings (Year)				
<input type="checkbox"/> Life Time Equipment Cost Savings					
<input type="checkbox"/> Annual Increased Payload - Main Pendant Replacement					
<input type="checkbox"/> Annual Cost Savings by Maintaining Same Annual Payload					
<input type="checkbox"/> Annual Increased Payload - Host Line Replacement					
<input type="checkbox"/> Annual Increased Production - Welding Savings ¹					
<input type="checkbox"/> Savings Per Skipped Boom Laydown					
<input type="checkbox"/> Other Annualized Savings					
<input type="checkbox"/> \$ Value of Increased Output / Prod Breakdown - Lifetime Equipment Cost Savings					
<input type="checkbox"/> NPV					

RESULTS

Break Even Return Period	< 2 years
Internal Rate of Return	67%
Net Present Value of Investment	\$ 1,856,050

TRUSTED PERFORMANCE

For More Information: P: 850-539-7720 E: sales@applied-fiber.com | www.applied-fiber.com

