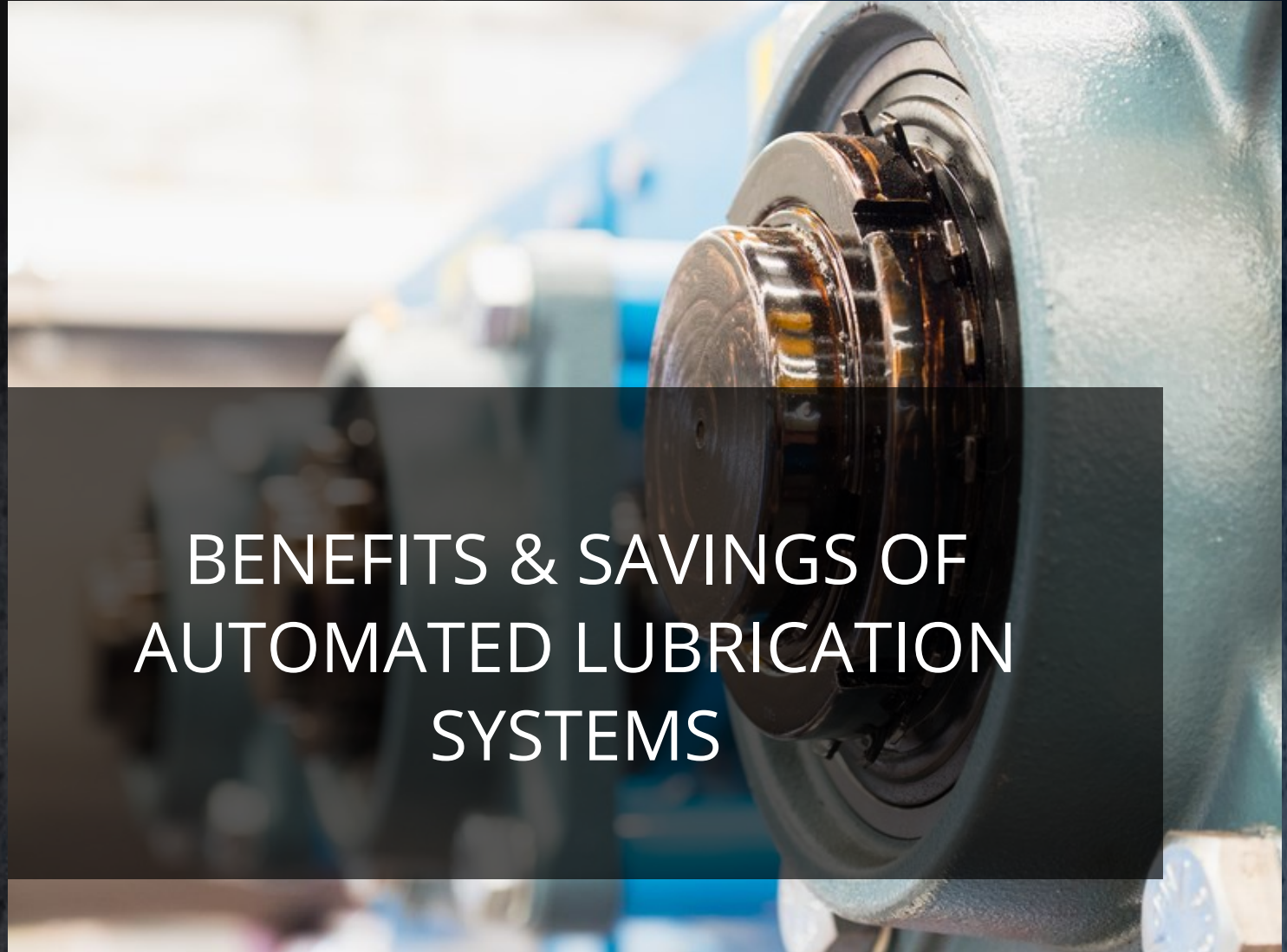




# THE LUBRICATION SCIENTIFICS COST ADVANTAGE

Four SIGNIFICANT ways to increase your bottom line by utilizing automated lubrication systems by Lubrication Scientifics



# BENEFITS & SAVINGS OF AUTOMATED LUBRICATION SYSTEMS

As the complexities of technology and production continue to advance, the challenges brought forth increase two fold. This also applies to the demands of production in terms of machines. Today's machines are designed to be more capable, produce more, and operate for longer periods of time.

Manual lubrication is becoming costly and, at times, a safety risk. 80% of lubrication points

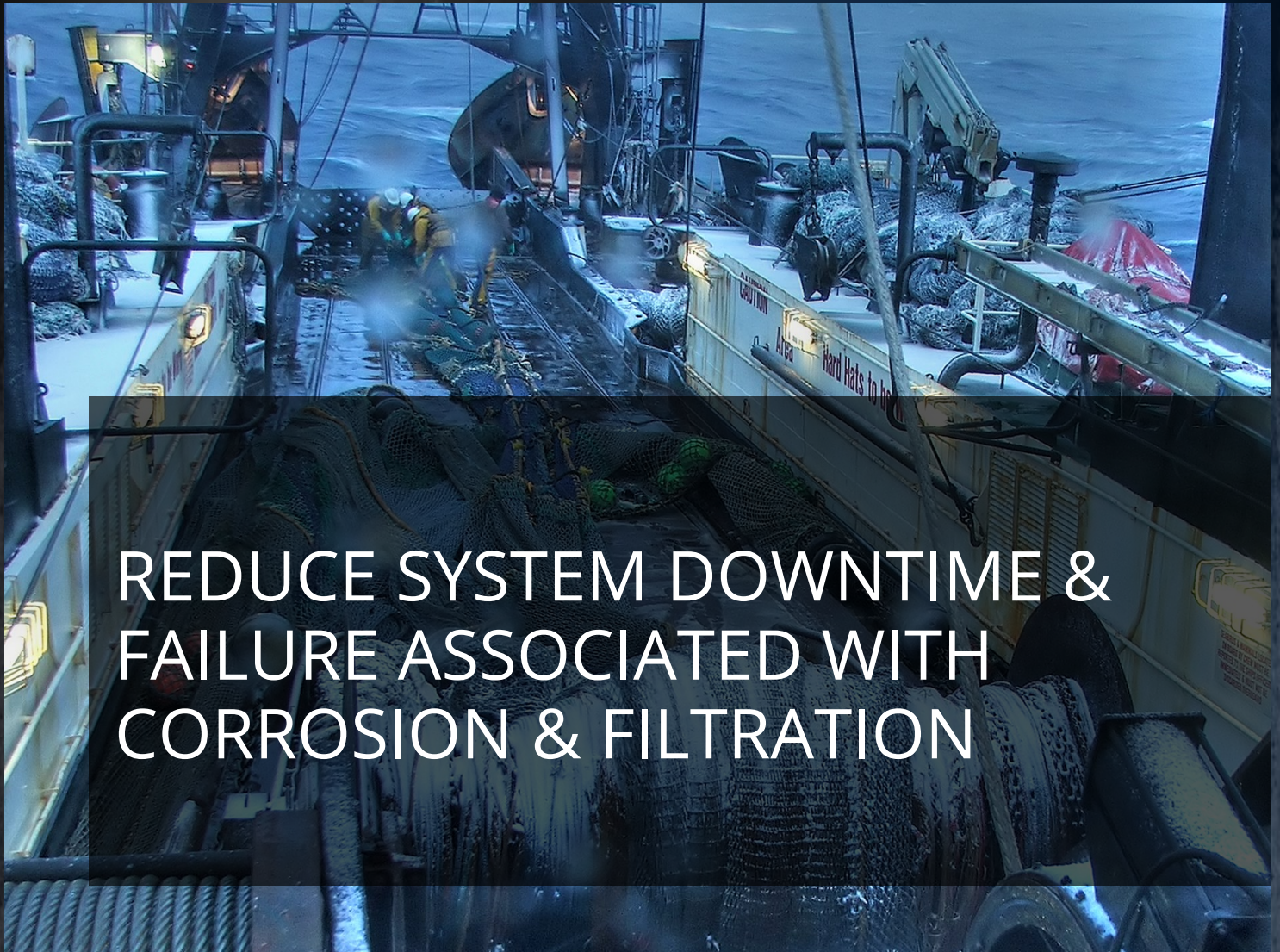
are still lubricated manually with handheld grease guns. The cost benefits from converting to an automated lube system are felt immediately. Automated lubrication devices use 33% less grease – That's up to 200 million kg of grease per year globally. Using less grease means less grease disposal, with its accompanying expense and environmental impact.

Another proven cost saving option is the Dual Line Air-Oil system which offers up to 90% lubricant reduction over grease. Lubrication Scientifics MDL (Modular Dual Line) products are easily converted over, eliminating the use of grease by supplying clean oil to bearing points.

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**IMMEDIATELY increase  
productivity & reduce energy  
consumption, operating  
expenses, & system downtime  
by 80%**

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## REDUCE SYSTEM DOWNTIME & FAILURE ASSOCIATED WITH CORROSION & FILTRATION

Lubrication Scientifics understands the harsh realities of corrosion and contamination. We offer a full line of corrosion resistant & contamination prevention products. As industrial technologies continue to advance, so must our lubrication capabilities. Without proper lubrication, environmental elements such as friction, fluids, chemicals, and extreme temperature drastically

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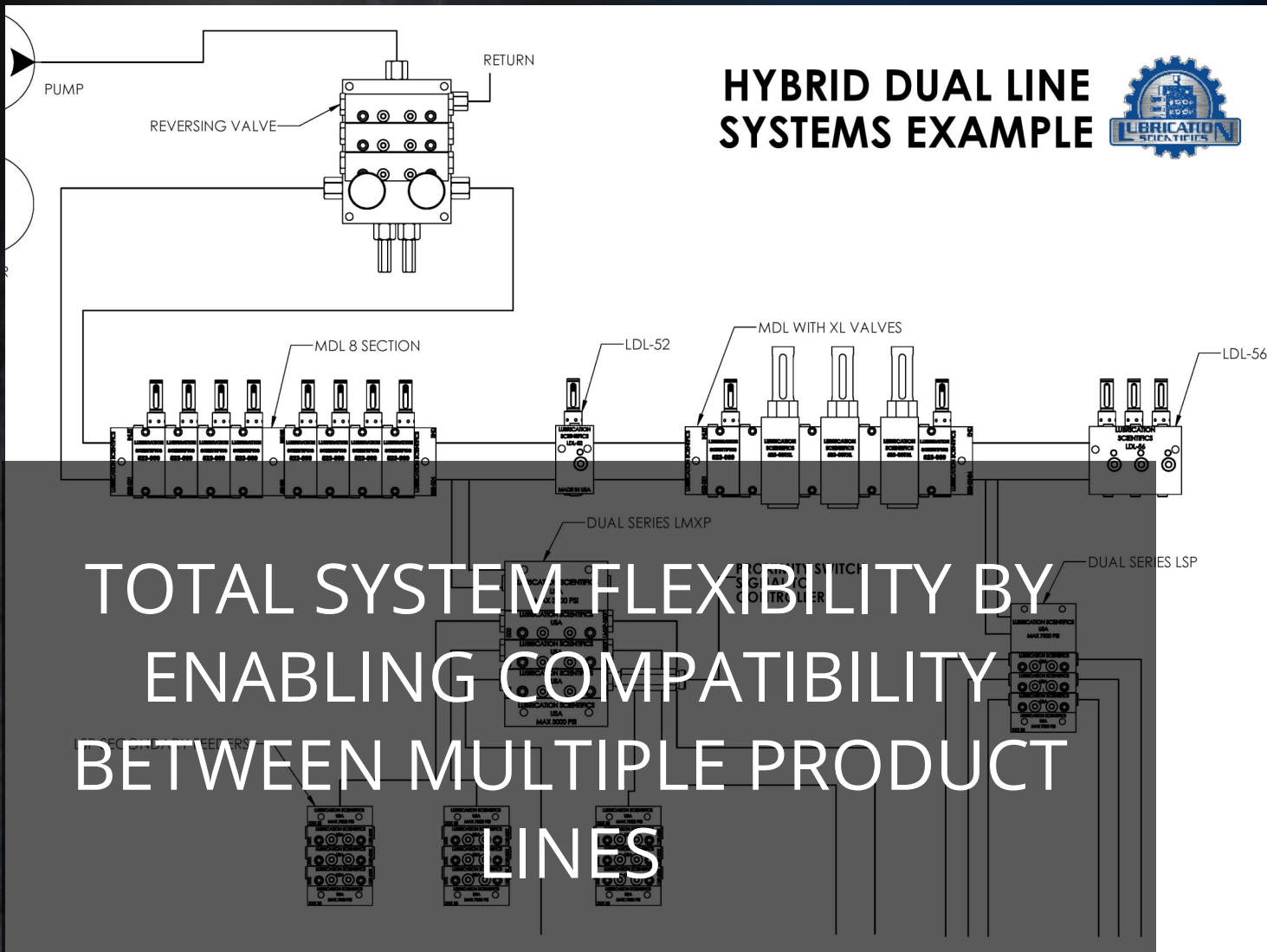
**IMPROPER filtration accounts for over 55% of all bearing failures**

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affect the wear of vital mechanisms that keep production moving. Lubrication Scientifics offers all of our products in a clear zinc plated RHOF compliant carbon steel, 303, & 316 stainless steels. These materials can withstand the harshest of conditions such as sanitary wash-downs, saltwater exposure, moisture, and major temperature extremes.

Lubrication Scientifics understands the importance of reliability and the preventable causes of premature bearing failure. To prevent costly system downtime, Lubrication Scientifics offers a wide range of filtration products including the revolutionary Dirt Trap series filters. Dirt Trap filters separate contaminants and contain them within the filter element ensuring the contamination does not end up downstream during operation or replacement causing catastrophic failures.

# HYBRID DUAL LINE SYSTEMS EXAMPLE



Lubrication Scientifics takes the lubrication industry to the next level by introducing the Dual Series Dual Line Product. In applications where Dual Line Lubrication is preferred, the cost of Critical Point Monitoring becomes the key issue. The Dual Series Inlet offers the lowest cost for critical point monitoring. By directly connecting Lubrication Scientifics Dual Series inlets via LSP or LMXP Series Progressive Valves to lube points, up to 360 critical lube points can be monitored for less than \$1000.00.

The Lubrication Scientifics Hybrid advantage enables the lubrication design engineer to specify the best delivery method and monitoring solution for each bearing point. By mixing TRADITIONAL, MODULAR, and DUAL SERIES components in the same large system, system engineers can deliver SUPERIOR performance, MONITORED reliability, LOWER lifetime MAINTENANCE cost, and future system flexibility, all at the LOWEST INSTALLED SYSTEM COST.

Deliver SUPERIOR performance & MONITORED reliability at the LOWEST INSTALLED SYSTEM COST.



# LIMIT SYSTEM REPLACEMENTS, REBUILDS, & REPAIRS DUE TO HARSH CONDITIONS

In February 2016, 18 LSL-11 injectors were installed on a Komatsu PC8000-6 excavator for lubrication of the main gear. Lubrication Scientifics injectors were placed in direct, side by side trial evaluations with a major global competitor's product. These Excavators operate 24 hours a day, 7 days a week, under the harsh conditions found in the coal mining industry. The evaluation is ongoing, but the results have shown what conforming to strict machining tolerances and internal component improvements can do.

## Proven performance & reliability

During the first 11 months of evaluation, Lubrication Scientifics' 18 injectors have outperformed and outlasted the competition by a stunning 4 to 1 ratio. Our global competitor's injectors have needed either internal rebuilds or complete replacements approximately every 90 days. The Lubrication Scientifics

injectors remain in continuous operation with no rebuilds or replacements necessary since being installed in February of 2016. This represents a 75% less materials cost to use Lubrication Scientifics injectors and the additional savings of labor and no production loss due to no service change outs.

**Lubrication Scientifics LSL-11 cost per operating day (\$/330 Days) \$18.39 day Global Competitor equivalent cost per operating day (\$/330 Days) \$73.55 day**

A photograph of an industrial facility, possibly a refinery or chemical plant, at sunset. The sky is a mix of orange, yellow, and purple, with dark smoke or steam rising from the facility. The foreground shows various pipes, tanks, and structures of the plant.

# MORE MONEY IN YOUR POCKET FOR WHAT MATTERS MOST

- Increased productivity
- Metered lubrication
- Lowered grease disposal
- System flexibility
- Lower installation costs
- Decreased maintenance costs & system downtime
- Reduced environmental impact
- Better housekeeping
- Better bottom line

*We don't sell lubrication systems, our customers buy reliability solutions.*