Total Lubrication System
Maintenance & Management

**WHY**

Why should I be concerned about lubrication matters?

If it moves, it needs a lubricant! Too much lubrication on the moving parts creates safety or environmental hazards while too little lubrication causes bearing friction and wear. A centralized lubrication system ends this cycle by applying smaller amounts of lubricant frequently while the equipment is running. This keeps your machine in the Optimum Lubrication Zone.

*Over 50% of bearing failures were the result of improper lubrication*

**HOW**

How does Total Lubrication System Maintenance work?

It’s a complete lubrication system maintenance package tailored to your exact equipment and operational requirements.

- On-site skilled lubrication personal
- Complete centralized lubrication systems

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OUR SOLUTIONS:

Boccard manufactures bespoke grease or oil lubrication systems that will run off either electricity or air. You can also choose to have these systems controlled by your PLC; the electronics of the machine or by an independent control panel.

- Electric lubrication pumps - HDI Electric pumps
- Oil Lubrication systems – Dual line, Progressive, Spray Mist, Single Shot, Multi-Line.

Total Lubrication Maintenance (TLM) – Service, Maintenance, and Management.

WHAT ARE THE BENEFITS?

- Lower maintenance cost and operating costs.
- Improved environmental performance
- Compliance with health, safety and environmental LEGISLATION.

CASE STUDY:

A fairly simple matter to justify the cost of an automated lubrication system.

One example of cost breakdown when shutting down a strategic line for process plants like paper, petrochemical or primary metals:

<table>
<thead>
<tr>
<th>Bearings replacement each year</th>
<th>Replacement costs</th>
<th>Total replacement cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000</td>
<td>£240</td>
<td>£240 000</td>
</tr>
<tr>
<td>Shutting down time</td>
<td>One hour downtown cost</td>
<td>Total downtown cost</td>
</tr>
<tr>
<td>3H</td>
<td>£60000</td>
<td>£180 000</td>
</tr>
</tbody>
</table>

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