

Optimal  
lubricant  
application and  
consumption

## Total Lubrication System Maintenance & Management

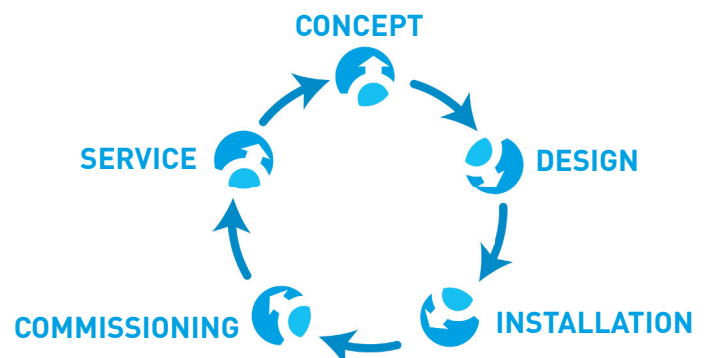


### WHY

- 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\***



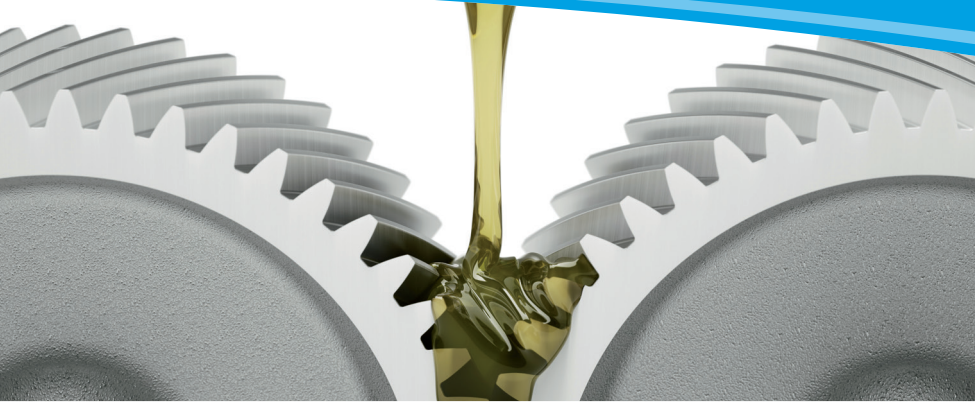
### HOW

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.
- Grease Lubrication systems – Dual Line, Progressive, Single Line, 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.

Boccard  
commitment

### 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:

Bearings replacement each year		Replacement costs		Total replacement cost
<b>1,000</b>	<b>X</b>	<b>£240</b>	<b>=</b>	<b>£240 000</b>
Shutting down time		One hour downtime cost		Total downtime cost
<b>3H</b>	<b>X</b>	<b>£60000</b>	<b>=</b>	<b>£180 000</b>

