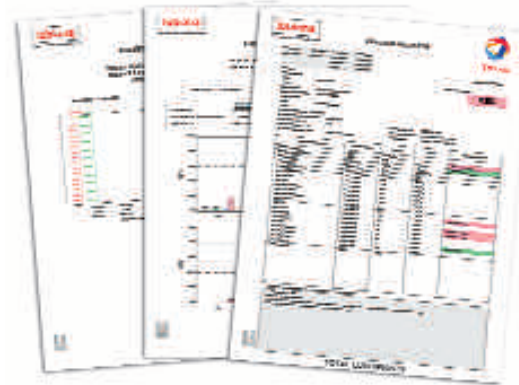


Lubrication Support

Keep an eye on your lubricants

lubiana

oil analyses for industry

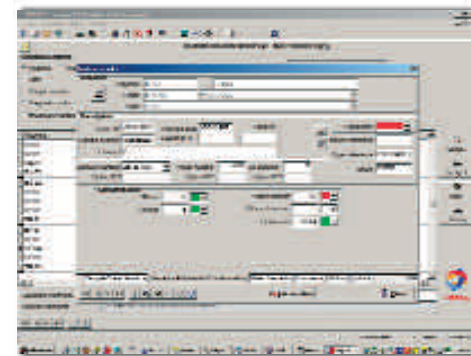


- Extended lubricant life
- Monitoring the state of machines and detection of anomalies through monitoring the oil and its elements
- Savings through preventive monitoring, anticipation and detection of potential failures

Optimize your maintenance



Maintenance and lubrication software



- Optimal availability of the tool work through planing and regular follow-up of lubrication and maintenance
- Analysis of lubrication costs
- Sources of optimisation of preventive maintenance

To adapt these services to your requirements, do not hesitate to consult us

Africa	+33 1 41 35 47 62	Germany	+49 211 90 570	Norway	+47 22 01 95 59
Asia	+65 6879 22 00	Great Britain	+44 1977 636 200	Poland	+48 22 435 14 00
Austria	+43 616 46 11 0	Greece	+30 2 10 544 05 40	Portugal	+351 21 723 08 32
Belgium	+32 2 288 99 33	Hungary	+36 23 50 75 00	Spain	+34 91 722 08 40
Czech Rep.	+420 2 2489 0511	Italy	+39 02 54 068 370	Sweden	+46 40 38 36 50
Denmark	+45 45 81 3701	Luxembourg	+352 480 481-1	Switzerland	+41 22 306 66 00
France	+0 800 771 522*	Netherlands	+31 70 318 04 80	Other	+33 1 41 35 40 00

Find your local contact at www.lubricants.total.com



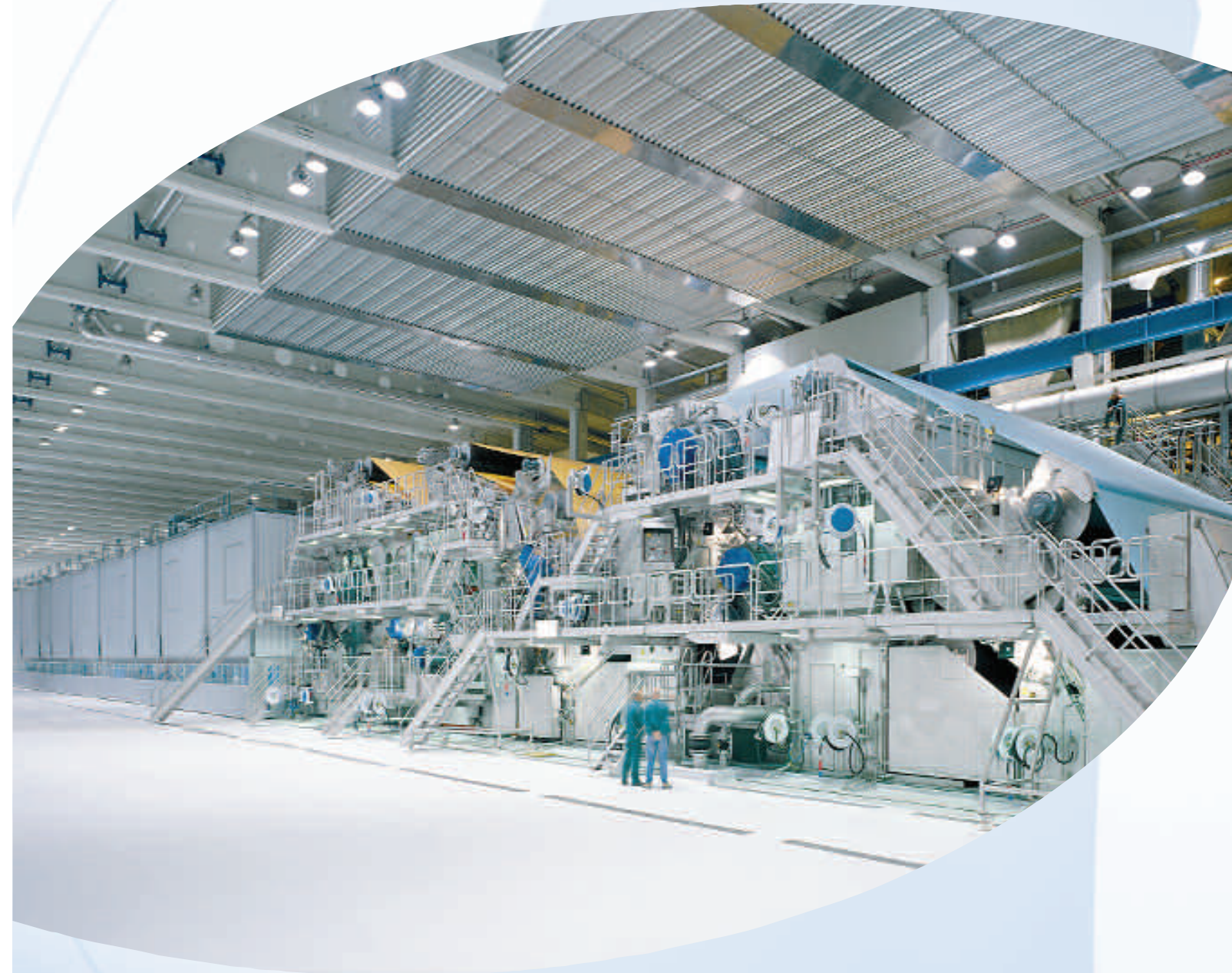
TOTAL

TOTAL LUBRIFIANTS

16 rue de la République - F 92922 Paris La Défense Cedex
Tél. : 33 (0)1 41 35 40 00 - www.lubricants.total.com

Oils and Greases for Paper Mills

Meet your productivity and reliability requirements



TOTAL

LUBRICANTS SPECIALLY DESIGNED TO YOUR NEEDS

TOTAL Products

Wood yard

- **RUBIA**
 - **TRANSMISSION**
 - **EQUIVIS ZS**
- Complete range of approved lubricants for all types of machines

- **CERAN PM**
- Reduced consumption due to outstanding water resistance properties
Excellent anti-corrosion properties

- **CERAN GEP O**
- Reduced wear and consumption by improved adhesivity

- **KASSILA GMP**
- Extended gear and bearing life

Handling equipments
Lubrication of motors
Transmissions and hydraulic systems

Conveyors / Bearings
Presence of water, dust, chocs

Chains / Open gears
Humid environment, choc, dust, high load, low speed

Closed gear boxes
Humid environment, dust, high load

Pulp mill

- **CARTER VP/CS**
 - **KASSILA GMP**
- Extended lifetime through high anti-wear and anti-corrosion properties

Agitators / gears
Blending units
Gear lubricants
Pumps, screens, refiners

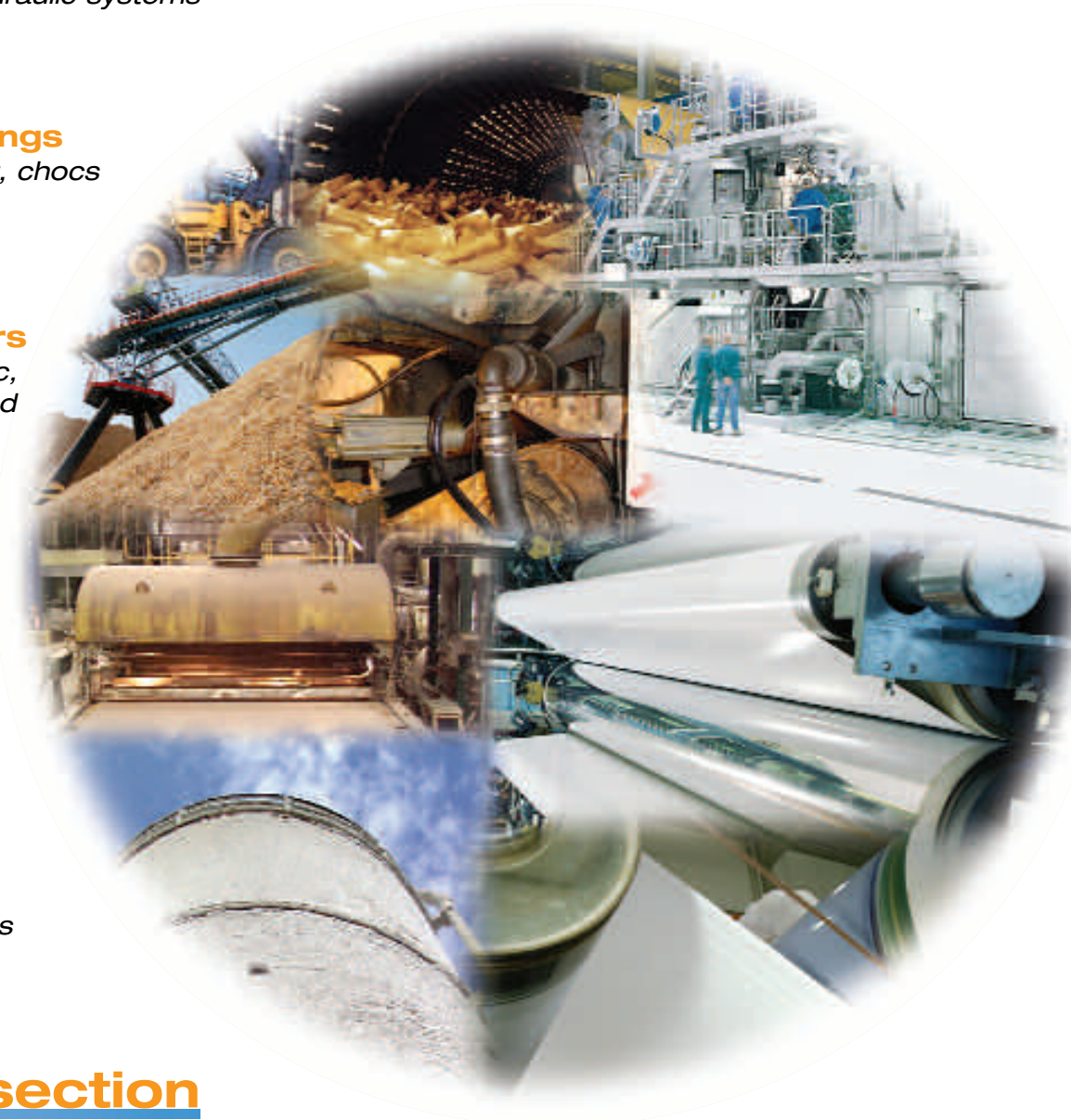
Finishing section

- **STATERMIC XHT**
- Reduced grease consumption and reduced bearing failures

- **MISOLA MAP**
 - **MISOLA MAP SH**
- Ash-free oils

Coated machine
Shafts and wide gears

Super calander
Circulation oils



Paper machine

Wet section - Press section - Dry section

Circulation oils

Responding to VOITH/METSO specifications

- **MISOLA ASC**
 - **MISOLA AF**
- Ash-free mineral oils
Improved lifetimes of oils and bearings
Reduced consumption of filters

- **MISOLA MAP**
- Semi-synthetic ash-free oil
Excellent price/quality ratio

- **MISOLA MAP SH**
- Synthetic high temperature ash-free oil
Cleans efficiently the lines
Excellent protection against high temperature wear

Hydraulic oil

- **AZOLLA AF**
- Ash-free mineral oil
Excellent performance in presence of water
Reduction of filter blockings thanks to an improved filtrability

Grease for wet section

- **CERAN PM**
- Grease resistant against washing out
Reduced grease consumption
Increased equipment lifetime
Reduced risks of pollutions

Greases for dry section

Electrical motors - ventilators

- **ALTIS EM2**
 - **ALTIS SH2**
- High technology greases with improved lubrication properties
Significant reduction of temperatures and vibrations