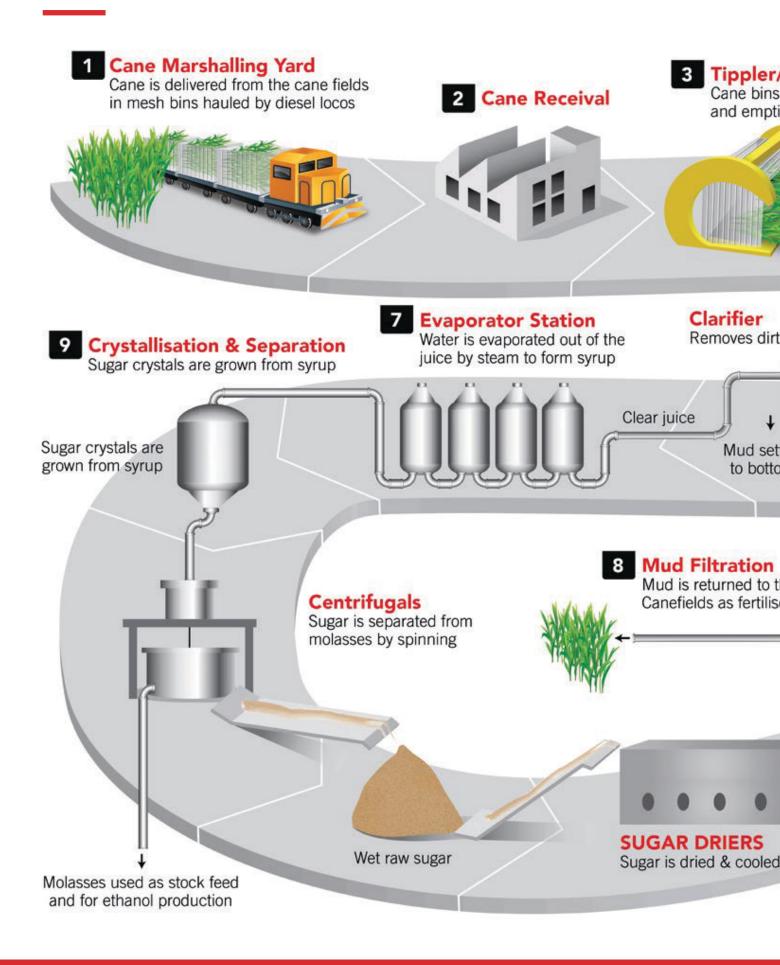
SUGAR INDUSTRY SOLUTIONS

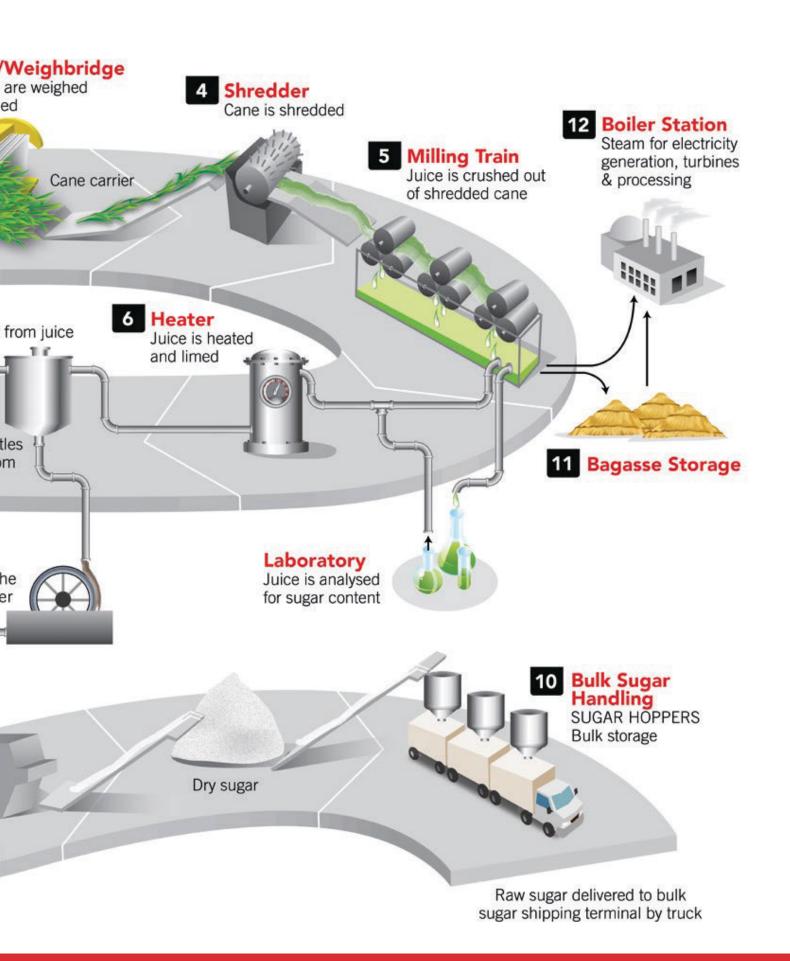
ROADMAP





SUGAR ROADMAP





01 | Cane Transport

- AP Assembly Bearings TIMKEN
- Cane Bin Bearings NTN, NSK
- Driveshafts HARDY SPICER
- Duo Cone Seal SIL
- Fasteners HOBSON FNGINFFRING
- Filters
- Gmeinder Gearbox Bearings NSK, **SCHAEFFLER**, NTN
- Green Stripe Heavy Duty Belts, Radiator and Turbo Hose, Hose Clamps - GATES
- Heavy Duty Cog Belts TIMKEN
- Heavy Duty Diesel Oil and Hydraulic Oil GULF WESTERN OIL, SHELL
- Lubrication Systems **ALEMLUBE**
- Molded Oil Bearings NSK
- Sealed Cane Bin Bearings SCHAEFFLER
- TF Series Spherical Roller Bearings NSK

02 | Cane Receival

- · Conveyor Chains EWART
- Gearboxes BONFIGLIOLI, NORD
- Hydraulic Seals SIL

03 | Tippler & Cane Carrier

- Bearings and SNS Housings SCHAEFFLER, TIMKEN, NTN
- Bearings NSK, SCHAEFFLER, NTN
- Brakes and Couplings VULKAN
- Carrier Chains EWART
- Couplings **REXNORD**, **TIMKEN**
- Gearboxes BONFIGLIOLI, NORD

04 | Shredder

- · Accumulators HYDAC, STAUFF
- Actuators PARKER, ENERPAC
- Anti Fretting Paste MOLYKOTE
- Brass Cage Spherical Roller Bearings SCHAEFFLER, NSK, NTN
- Cooling Systems HYDAC
- Couplings REXNORD
- Filtration HYDAC, STAUFF, PARKER
- Hydraulic Accessories STAUFF, HYDAC
- "TL" series Brass Cage Spherical Roller Bearings NSK
- Pumps REXROTH, PARKER, HYDAC, ENERPAC
- Quick-Flex Couplings TIMKEN
- Valves REXROTH, PARKER, HYDAC

05 | Milling Train

- · Accumulators HYDAC, STAUFF
- Actuators PARKER, ENERPAC
- Bearing Housing & Adaptor Sleeves TIMKEN, NTN
- Conveyor Pulleys ABB
- Conveyor and Drive Chains EWART
- Cooling Systems HYDAC
- Couplings **REXNORD**
- Electric Motors and Variable Speed Drives TECO
- Fasteners HOBSON ENGINEERING
- Filtration HYDAC, STAUFF, PARKER
- Gearboxes BONFIGLIOLI, NORD
- Hydraulic Accessories STAUFF, HYDAC
- Hydraulic Nuts TECHNOFAST
- Lifelign® Gear Coupling FALK
- Lubrication Systems ALEMLUBE
- Pumps REXROTH, PARKER, HYDAC, ENERPAC
- Spherical Roller Bearings NSK, NTN, SCHAEFFLER
- Magnetic Filtration ONE EYE INDUSTRIES
- Valves REXROTH, PARKER, HYDAC

06 & 07 | Pans Clarifiers & Evaporation

- Belt Grip CRC
- Couplings REXNORD
- Electric Motors and Variable Speed Drives TECO
- Fasteners HOBSON ENGINEERING
- Gaskets FLEXITALLIC



- Gearboxes BONFIGLIOLI, NORD
- Heavy Duty Drive Belts TIMKEN, GATES
- Juice Heater Seals SIL
- Pulleys and Taperlocks FENNER
- Pumps NEW / REPAIR SIL
- Pump Tapered Roller Assemblies TIMKEN
- Quick-Flex Couplings TIMKEN
- Crete, High Impact Wearing Compound, Rapid Rubber and Ceramic Coating - LOCTITE
- Gland Packing VULCAN

08 | Mud Filtration

- Bearing Isolators SIL
- Clean Flight Pulley ABB
- Electric Motors and Variable Speed Drives TECO
- Filtration 3M
- Gearboxes BONFIGLIOLI, NORD
- Lubrication GRACO
- Smartwasher CRC
- V-Belts FENNER





- Belts for Fugal Drives TIMKEN
- Couplings REXNORD, TIMKEN, FENNER
- Driveshafts HARDY SPICER
- Electric Motors and VSD TECO
- Fasteners HOBSON ENGINEERING
- Gearboxes **BONFIGLIOLI**, NORD
- Heavy Duty Drive Chains EWART
- Mechanical Seal SIL, HI-FAB
- Water Management System SIL, HI-FAB



10 | Bulk Handling & Storage

- Conveyor Pulleys MARTIN
- Couplings REXNORD
- · Dodge Gearboxes ABB Electric Motors and VSD - TECO
- · Fasteners HOBSON ENGINEERING
- · Gearboxes BONFIGLIOLI, NORD
- Quick-Flex Couplings TIMKEN



11 | Bagasse Handling

- · Bagasse Reclaimer Chain EWART
- Bagasse Reclaimer Slewing Bearing ROTHE ERDE



- Dodge Conveyor Pulleys and Sprockets ABB
- Fasteners HOBSON ENGINEERING
- Gearboxes **BONFIGLIOLI**, NORD
- Motors TECO
- Super HC and Predator GATES



12 | Boiler Station

- · Accumulators HYDAC, STAUFF
- Actuators PARKER, ENERPAC
- Bearing Housings and Adaptor Sleeves - TIMKEN, NTN, SCHAEFFLER
- Cooling Systems HYDAC
- Electric Motors and VSD TECO
- Filtration HYDAC, STAUFF, PARKER
- · Gaskets FLEXITALLIC
- Gear Couplings **REXNORD**
- Gearmotors **BONFIGLIOLI**, NORD
- Gland Packing VULCAN
- Heavy Duty Belt Drives GATES
- Heavy Duty Cog Belts TIMKEN
- High Temperature /Thermal Protection Sealing SIL
- Hydraulic Accessories STAUFF, HYDAC
- Pumps REXROTH, PARKER, HYDAC, ENERPAC

Spherical Roller Bearings - NSK, SCHAEFFLER, NTN, TIMKEN

Valves - REXROTH, PARKER, HYDAC



























PROBLEM SOLVERS



Schaeffler Sealed Cane Bin Bearings

Schaeffler's fully sealed for life Cane Bin Bearings require no further maintenance once fitted, saving time and money.

Leading Questions

- Did you know eliminating the need for lubrication saves both time and money.
- Do you have a preference for open style Cane Bin Bearings?
- Is operator safety important to your business?



TECO MAX e3 Electric Motor

Built strong for the Sugar industry. The ultimate machine, with the features and performance desired by the world's top sugar processors.

Leading Questions

- Are you using the latest efficiency electric motors?
- Is power consumption savings important to your company?
- Did you know you can remotely monitor TECO electric motors and controls?



Timken Quick-Flex Couplings

Quick-Flex couplings are direct replacements for virtually all comparably sized couplings in use. Quick-Flex couplings require no lubrications and are easy to install and maintain.

Leading Questions

- Coupling alignment and access can be a major issue, are you aware of the Timken Quick-Flex coupling?
- Do you currently laser align your couplings?
- · Are they the latest easy fit product?



Schaeffler Double Row Spherical Roller Bearings

A robust bearing for robust applications. Extended bearing life and improved reliability with Schaeffler's brass or steel cage design. Ideal for Schredder applications.

Leading Questions

- · Does your Schredder run at high speed?
- Do you require maximum reliability on this part of plant?
- Did you know we can provide expert fitting of your bearings?



Schaeffler's New Generation SNS Housings

The unique housing design gives an increase in the life of the Spherical Roller Bearings fitted in the housing of up to 50%, ideal for crystalliser drives.

Leading Questions

- Is long bearing life and fewer change-outs of benefit to you?
- Do you fit condition monitoring devices to your housings?
- · Do you grease lubricate your bearings?



Alemlube 20V Lithium-ion Cordless Grease Gun

This unit can deliver up to 35 cartridges per battery charge. Ideal for large plant or small plant lubrication and easy operator dispensing. No more operator fatigue.

Leading Questions

- Do you want to increase the efficiency of your plant operations?
- Is operator safety important to your company?
- Did you know you can adjust the grease delivery rate?



Hydac Hydraulic Fluid Condition Monitoring

The CMExpert Hydraulic Fluid Condition Monitoring unit was designed to provide a complete package solution for hydraulic and lubrication system monitoring.

Leading Questions

- Have you experienced operational downtime due to fluid contamination?
- Have you considered 24/7 fluid monitoring?



NTN Cane Bin Bearings

NTN Cane Bin Bearings offer precision, durability, and a proven track record of performance for 6 and 10 tonne wagons.

Leading Questions

- Can your operations benefit from long bearing life?
- Did you know we carry vast stock of Cane Bin Bearings locally?
- How important is bearing longevity to your maintenance programs?



Gates Predator V-Belts

High quality belts, Gates Predator® V-belts are unique in their extreme robustness and high load carrying capability, they are unrivalled.

Leading Questions

- What are the problems that you experience with your belts?
- Have you considered reducing your long term belt costs?
- · What belt issues would you like to resolve?



Ewart Bagasse Conveyor & Elevator Chains

Ewart chains are manufactured to withstand the rigors of constant use and to increase the efficiency of sugar mills.

Leading Questions

- Is changing a conveyor chain a major project for site?
- Would a chain failure cause a major disruption to production?
- What brand of chain do you currently use?

Service & Engineering

Condition Based Assessment

- Site Surveys
- Condition Monitoring
- Predictive Maintenance
- · Return Part Analysis
- Load Simulation and Finite Element Analysis
- Fall Mode Effect Analysis

Process Improvements

- · Design and Drafting
- Product Application Engineering
- Reverse Engineering
- Installation and Commissioning
- · Corrective Services
- Special Purpose Manufacture
- Component Standardisation
- Asset Care and Rotables



MOTION AUSTRALIA is the leading supplier of original and replacement parts for Australian industry as well as a premier provider of engineered solutions to increase customer's productivity and uptime. With the goal of delivering a best in class customer experience, Motion offers many valued-added services, including engineering, design and fabrication along with workshop and on-site services.

PRODUCTS – Bearings, Power Transmission & Drives, Hydraulic & Industrial Hose, Fluid Power, Industrial Supplies, Fasteners, Sealing products, Process Pumps, **and MORE!**

















