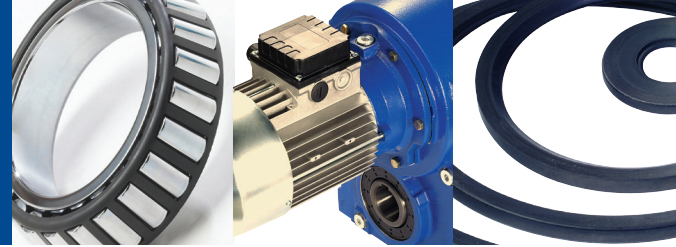


# CBC and MOTOVARIO SAVES MINE \$6,698 pa IN ENERGY COSTS AND 35.56 TONNES pa OF GREENHOUSE GASES



**Our Challenge:** To find an efficient and effective solution for a bucket elevator drive which was showing signs of imminent breakdown. The drive was leaking oil, its gears were noisy and it was running at critically high temperatures. The facility required the drive to run 24 hours a day, 7 days a week for 40 weeks a year. To replace the gearbox with original equipment required an unacceptable 12 week lead time.

**Solution:** CBC engineers redesigned the application to accommodate a Motovario Bevel Helical Reducer.

**Result:** In just three weeks the bucket elevator was repaired and fully operational. An additional benefit of improving the gearing design was a 15% increase in efficiency, making the new system 97% efficient. A saving of 35.56 tonnes pa of greenhouse gases was achieved.

