

TECHNICAL AND ECONOMICAL TOOLS TO ENHANCE MAINTENANCE MANAGEMENT

RAIL MAINTENANCE MANAGEMENT MODEL

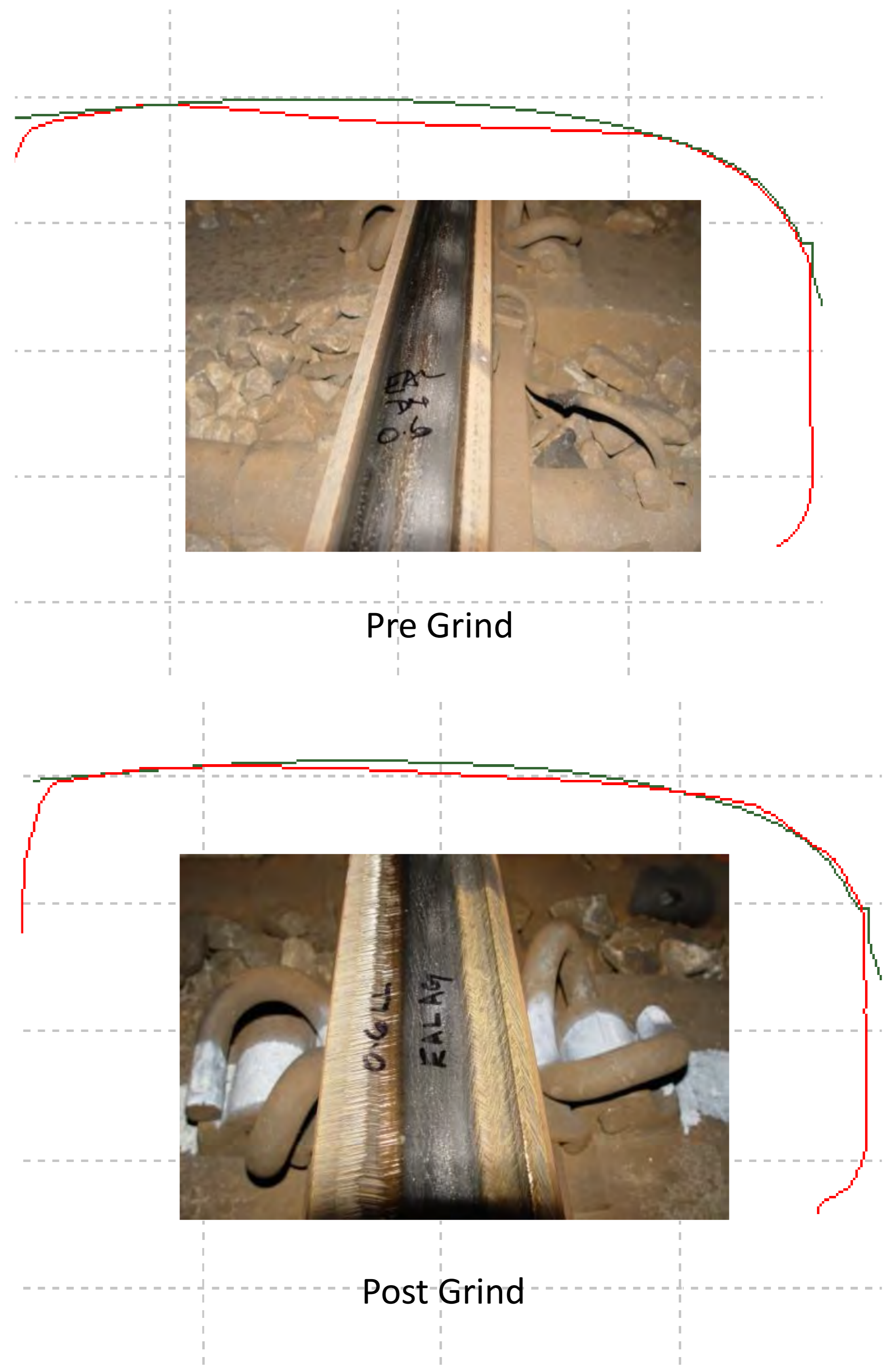
The Rail Maintenance Management Model (RMMM) has been developed to:

- Optimise rail maintenance and replacement
- Ensure that track meets the prescribed standards at all times
- Conduct condition based maintenance
- Take into account of resource availability and limitations
- Using up-to-date information on the track condition



PREDICTION AND PLANNING CAPABILITIES

- Rail condition for each section of track
- Remaining rail life for each section of track
- Annual grinding cost per km for each "section of track"
- Annual grinding cost for each scheduled Line
- Sensitivity Analysis with Various Scheduling Options
- Planning of capital purchase
- Planning of maintenance of New Lines



SCHEDULING OF MAINTENANCE

- Grinders Availability
- Abilities of Different Grinders
- Fixed scheduling of grinding and maintenance of grinders
- Sharing of grinders among various lines
- Enhance Scheduling Capabilities

