

# Happenings



spin a coin: heads = 0, tails = 1

000 / 111 (choose 1-6)

If you land on a number cross it out. If you land on it again spin until you land on a different nr.

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# Opportunities



spin a coin: heads = 0, tails = 1

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## h1 **Break Down - duration 1 shift:**

You actually expected this Break Down to catch you again. You know what happened and how to prevent it. Unfortunately the actions from the previous Root Cause Analysis are still not done.



## o1 **Reliability improves Plant capacity:**

You can decide to complete Reliability Tasks (before shift start). This will **permanently** eliminate a number of daily small recurring delays, increasing Plant Effectiveness (capacity) by 20 slabs per shift. This will cost you 50K.



## h2 **Faulty Shutdown Planning:**

Due to various reasons you did not spend enough time on planning your Shut Down properly. This is now causing your Shut Down to overrun halfway into the production shift.



## o2 **Market for today:** A new Power Station is being build, creating a high demand for your special products. If you can improve quality you can achieve a 2K per coil increase on the selling Price for this Product (ONLY for today.) The quality improvement is costing 50K.



## h3 **Break Down - duration 1/2 shift:**

During the Shut Down, inspection tasks on a critical piece of equipment was not properly done. Half way through the shift, this equipment fails. Today is a Public Holiday and Running & Maintenance costs are at double the normal rates.



## o3 **Maintenance Plan improvement:**

You have the opportunity to improve your Maintenance Plan. This will cost you 50K. If you agree to do this your Running Cost will **permanently** decrease by 20K per shift.



## h4 **Break Down results in Energy Cost Increase, and Chinese imports lower selling prices:**

The energy saving VSD's on your process equipment fails, resulting in a 20K increase in Running Cost for this shift. Chinese Imports results in selling price to drop by 1K /coil for today.



## o4 **Shutdown Planning:** You have the opportunity to improve your Shut Down Planning. This will cost you 50K. If you agree to do this you can subtract 1 shift from your outstanding work 2DO balance, and **permanently** decrease your Maintenance Cost with 20K per shift.



## h5 **Badly executed Maintenance Task results in 20% Quality Defect:**

During the previous Shut Down the spares for a critical piece of equipment did not arrive in time. As a result the equipment was not serviced correctly. This resulted in a 20% Reject Rate for the shift.



## o5 **Root Cause Analysis prevents Disaster:**

You have the opportunity to do a Root Cause Analyses. This will enable you to take actions to HALVE the effects of ANY happening of your choice, AND decrease the running cost **ONLY for this shift** by 20K. This will cost you ZERO (0K) !!!



## h6 **Order Levels:** Your clients are lowering stock levels during their financial year ends. They are only prepared to take 50 coils for the shift. Due to over supply in the market the price drops by 1K per coil for today.



## o6 **Training and Alignment:** At a cost of 50K you have the opportunity to coach all your people to do pro-active reliability tasks, perfect planning and perfect execution. This **permanently** reduces Running cost by 20K **and** increases the quality to justify a **permanent** 1K per coil price increase.

