

## **Info - Brief**

### ***Designing In or Designing Out***

Every maintenance person and every operator understands the need to design-out problems they are experiencing with operating plant. Requests for design-out, and hence a plant modification, are raised every day in most manufacturing plants. Managers too understand this process as they seek justification and process project proposals for funds allocation.

Similarly every maintainer and operator understands that problems were once designed into equipment, plant and processes, as it is these items they seek to design-out. They also know that they will not be able to gain approval to design-out everything that is causing concern. People at the workface frequently live with unreliable plant, inefficient plant, high costs and poor ergonomics forever. Designing In, unfortunately, is not so well understood by general management and corporate management.

At the project stage there is a very heavy and relentless emphasis by senior managers on the new plant schedule and cost. Success is thought to be the minimisation of these two KPI's. Frequently it is not understood at this exciting and sexy part of the asset life cycle that this is the time they unknowingly build in irreversible problems. This can be minimised by arranging for experienced plant people to review the new plant design at critical stages. The timing of these reviews is important as they can only be successfully conducted in very narrow windows. If you miss the windows then designs are frozen, contracts are let, equipment is ordered and concrete is poured.

Contact Ross Francis Consulting now to help get the asset life cycle off to a good start with an expert Design Review.