• Goals
  - Suppress nuisance alarms through dynamic configuration of DCS alarm settings
  - Enhance operators' ability to detect process faults and implement corrective action

• Hardware

• Software Architecture

• Delivered
  - Operational prototype
  - Reduction of nuisance alarms ==>
  - Robust
  - Fault recovery
  - On-line advice to operators
    - Identification of critical alarms
    - Early warning
    - Detection of faulty instruments
    - Maintenance report
    - Shift handover assistance

• Achievements
  - Continuous on site operation since June 2000, with a dramatic reduction in the number of alarms
  - Operator's work load is reduced - hence safety is improved
  - Successful 3 way collaboration - user / vendor / research centre