

## Fluid Catalytic Cracking

Delta Controls started the FCC activities in the early 1970's. As an independent company, we developed a high level of expertise and have more than 45 years of experience. We are an international service and repair center for refurbishment, overhaul and modification of Fluid Catalytic Cracking (FCC) slide valves, plug valves, ball valves, gate valves and butterfly valves. Including all controls together with associated pneumatic/hydraulic/electric actuators.

### Our advantages:

- As an independent company we know the advantages and disadvantages of a large selection of brands.
- All our manufacturing is carried out in our workshop, welding, stellite weld overlay, refractory applications, stress relieving, curing, grinding, machining, etc., against the highest specifications and requirements of each individual refinery.
- Our in house techniques are weld overlay, machining, instrumentation and hydraulics. There is no split up, as we see the valve with actuator and controls as one package guaranteed by Delta Controls for a non interrupted performance and lifetime.
- Delta Controls is recognized by customers as a "one-stop-shop".
- Our workshop service engineers also perform field service during turnarounds to gain knowledge of practical applications and requirements of each customer.
- Quality in our service, dedication and people is our product for creating a long-term relationship.

### Field Service:

- Corrective and preventive maintenance
- Turnarounds Cat Crackers
- On-site machining
- Preventive maintenance and spare parts management

### Workshop Service:

- Overhaul & Modification of valves, actuators and associated control systems
- Refurbishment of internals

### New delivery:

- Valves (single slide, double slide, 2-port diverter, butterfly and goggle valves)
- Actuators
- Power Units and controls
- European distributor of Chemolub H Special

### Brands we refurbish (amongst others):

- |                 |            |
|-----------------|------------|
| - Kubota        | - Blac inc |
| - Remosa        | - Bafco    |
| - Tapco         | - GPE      |
| - Crane Chapman | - Mea      |
| - Raco          | - Etc.     |
| - Adams         |            |

## References



**ExxonMobil**



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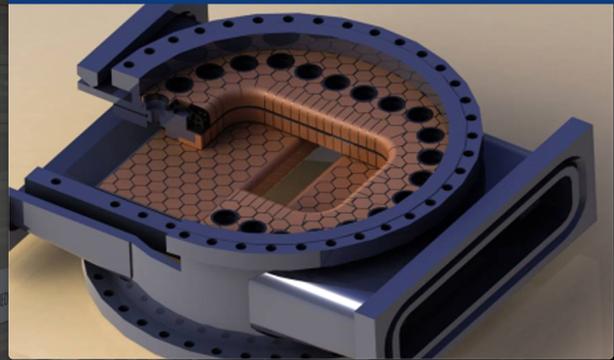
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*Manufacturing and refurbishment of parts*



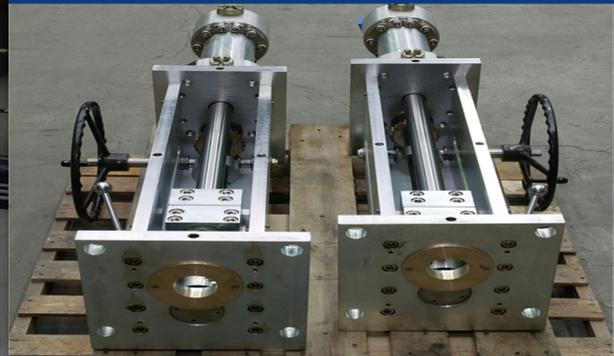
*Engineering*



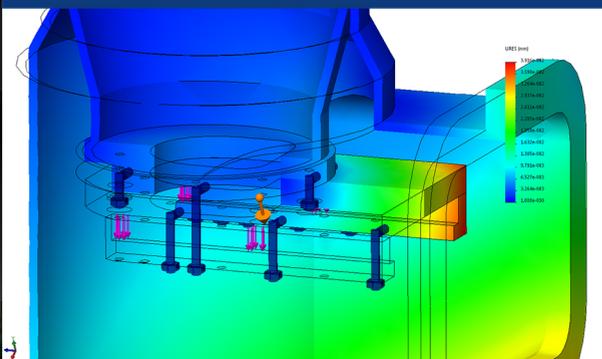
*Delivery and service of hydraulic control units*



*Service and delivery of linear actuators*



*Finite Element Analysis*



*Functional and hot stroke testing*

