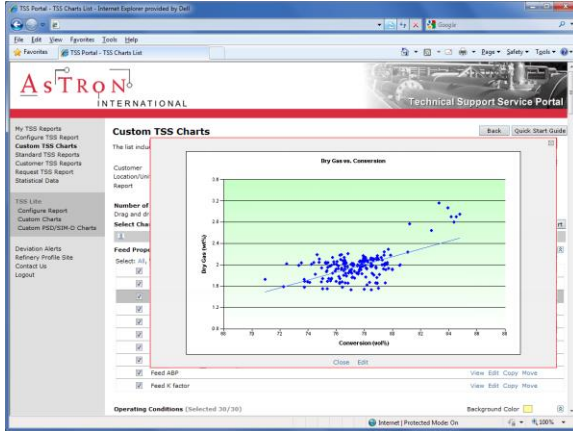


Technical Support Service

Digitalize Your FCC Technical Service



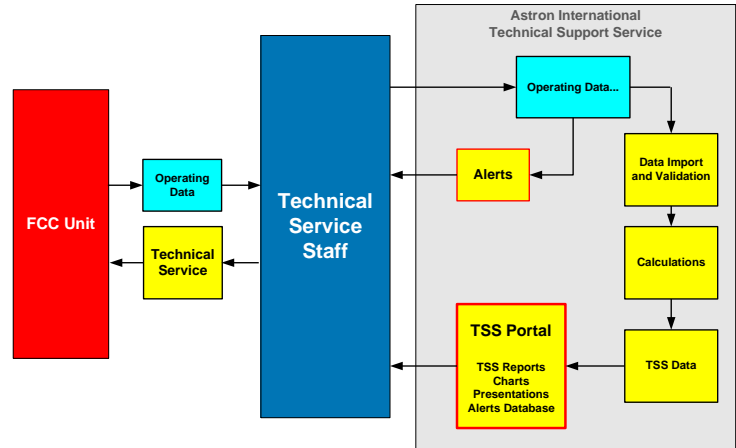
Technical service requires the analysis of complex operating data. Fluid Catalytic Cracking units generate an overwhelming amount of data and there are limited human resources to analyze the information generated. More often, data analyses are only conducted in response to operating problems and ongoing optimization opportunities are lost resulting in loss of revenue. Astron International offers Technical Support Service (TSS) to assist FCCU suppliers deliver high value technical service to refiners regularly by providing standardized analysis of unit operating data.



Digitalize Your Tech Service

- Provide standard technical service reports to customers regularly
- Add value by identifying significant issues before the customer
- Consolidate all data (operating, catalyst, product analyses, etc.) into one report
- Save man-hours spent on tedious data related tasks; *digitalize your work flow*
- Convert data into information, knowledge, and action

In this service, FCC unit operating data are regularly validated and their quality analyzed with respect to mass balance, heat balance, and key operating variables. Good quality data are identified and used to generate technical service reports on a regular basis that highlight key operational points and issues.



About Astron International, Inc.

Founded by experienced chemical engineers, Astron International offers TSS as a unique blend of refining industry domain knowledge, business process expertise, and digitalized technical service skills. Astron International has over 20 years of experience in providing services to the refining and petrochemical industry.



Astron International, Inc.

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