



# Optimize Unit Production Management

## Reduce loss with ideal unit production management

Reconciling errors in measurements, manual entries and too much data to compile are big issues for today's refineries.

Calculating actual yield of a unit on a daily basis can give your operation time to make changes so that the production schedule and plan are met before it is too late.

Having accurate information on real and apparent loss control, true mass, energy, and yield balancing allows production managers to make informed decisions.

As part of Emerson's overall production accounting strategy, the SmartProcess<sup>®</sup> Production Reconciliation solution optimizes the reduction of measurement errors in a single process unit, multiple units or an overall plant balance production including mass, energy and yield.



## Individual or multiple unit solutions

The base SmartProcess Production Reconciliation unit package includes enough capacity to address a common processing unit with up to 200 elements in the process model. The services to model and implement the Base Individual Unit Package are included in a fixed fee offering (two weeks of consultations + T & L).

The Advanced package, which can encompass multiple units over a complex, is also available for larger applications.

## Industry Fit

SmartProcess Production Reconciliation is focused on a variety of industries:

- Refining
- Oil & Gas Production
- Mining & Metals
- Chemicals

Included in the package:

- Enterprise server 250 points
- Application Framework
- DataFine optimizer
- 2 interfaces TBD

2 weeks of consulting by Emerson's Advanced Applied Technologies team are also included. These services provide a unit model that can deliver a daily mass balance for production yield calculations and loss control.

## The ultimate solution provider

Emerson is the best choice when selecting a production accounting solution. We are a global provider in enabling complete enterprise integration through data manage-



ment solutions that operate and optimize in real-time. Emerson is the one-stop services and technology shop to address all of your needs:

- Automation and data management design & engineering
- Project management & Implementation
- Commissioning & start-up
- After-sale support with a local presence globally
- Flexible & scalable solutions to meet different client requirements
- Educational services onsite
- Proven automation technology leader.
- Platinum VAR alliance with OSIsoft.

## Emerson measurement technology leadership

In today's competitive environment, operations managers have to look at daily yields and be flexible in their production schedules to meet increasing demands by customers and changing market conditions. We typically implement these solutions with a work flow that produces a daily reconciled balance with meaningful KPIs in a simplified dashboard like the one below. This gives the operations manager a feel for the operation with one dashboard overview.



## One source

Emerson can provide turnkey services to design, engineer, configure, install and commission a complete production accounting system including improving your measurement systems. Our experienced engineers have the industry and automation expertise to deliver superior technology in an integrated Emerson Production Accounting solution that will help you achieve superior business results.



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