



## BIOLOGICS FACILITY REDUCES COSTS AND RISK WITH MICRO MOTION™ MASTER METERS & LIFECYCLE SERVICES

### Application

Bristol-Myers Squibb, located in Syracuse, New York is a multi-product biologics facility that supports the launch and commercial manufacture of biologics products. Products produced at this facility include: ORENCIA®, NULOJIX® and YERVOY®.

### Challenge

The customer, Bristol-Myers Squibb (BMS), needed a solution to better support its current operations in biologics manufacturing after transforming from a traditional industrial company to a green biotechnology campus. Their existing production equipment such as Micro Motion™ Coriolis flowmeters, as well as Guided Wave Radar Technology for level measurement, was delivering excellent measurement performance and process availability but the recertification process required a periodic shut down of several weeks to ship the instruments off-site for calibration. The off-site calibration was becoming prohibitively costly and process downtime to complete the calibration was becoming excessive.

After evaluating several process changes, BMS chose to purchase Micro Motion ELITE® master meters to calibrate their production equipment on-site. The on-site calibration carts were calibrated with the master meters to reduce costs and production downtime. However, the recertification process also required the master meters to be calibrated every six months. The off-site calibration for the master meters impacted the on-site calibration process and increased risk of damage to the meters during the shipments back and forth from the calibration facility.

### Results

- Savings of over \$50K due to reduction in spare parts, service, labor and reduced calibration cart downtime
- Minimized out-of-service time for master meters and production equipment from weeks to hours
- Reduced recertification cost by 50%
- Eliminated the risk and investigation for potential shipping damage for sending calibration meters off-site for recalibration

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## Solution

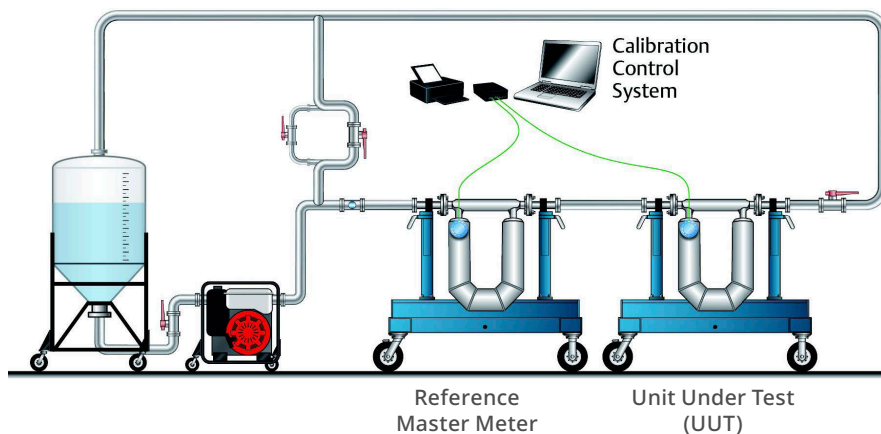
BMS decided to utilize Emerson's Flow Lifecycle Services team to further reduce costs and production downtime. With the Flow Calibration Service, field service technicians from Emerson arrive on-site every six months to recalibrate the master meters. The downtime of the on-site calibration carts was reduced from two weeks to less than four hours. Additionally, the on-site calibrations are NIST traceable and allowed BMS to witness the calibrations. Not only did the service save them time and money, but it increased their confidence that the calibrations are correct. The recordkeeping process, documentation updates and information management was greatly simplified.

BMS considered buying a full set of "back up" meters for use when the master meters were off-site for calibration. However, the Flow Lifecycle Services on-site calibration service eliminated the need for backup meters since the calibration is completed in less than a day. The elimination of spare master meters and associated spare parts reduced their capital investment by more than \$50K. Adding to the benefits from this service, the on-site service costs 50% less than the off-site calibration.

## Resources

Emerson Life Sciences Industry:  
[Emerson.com/LifeSciencesMeasurement](https://www.emerson.com/LifeSciencesMeasurement)

Lifecycle Services  
[Emerson.com/LifecycleServices](https://www.emerson.com/LifecycleServices)



For more information, visit  
[Emerson.com/MicroMotion](https://www.emerson.com/MicroMotion)

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