



Improving Today for a Better World Tomorrow

Contract Biological and Chemical Product Development and Manufacturing





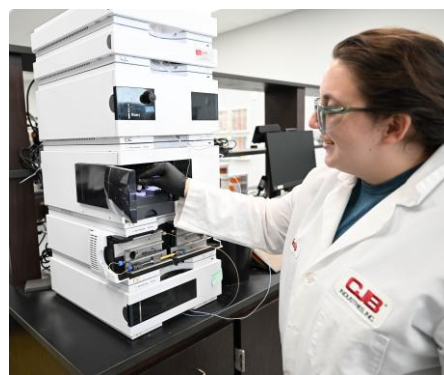
CJB Industries

Your Challenges. Our Solutions. Great Chemistry.®

Automated small-bottle packaging line.



New lab facilities



Isolated Formulation Units



CJB Industries

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CJB Applied Technologies:

"Your Science Partner in Product Evolution"



Traditional Chemistry & Biosafety Level II Bioconversion Labs



600 gallons

3 Pilot Plants



450 gallons



100 gallons





Harnessing Technology to Drive Innovation, Quality and Customer Success

Learn more about our journey
by scanning the QR code



SCAN ME



Why? For Our Customers.



Lower Risks

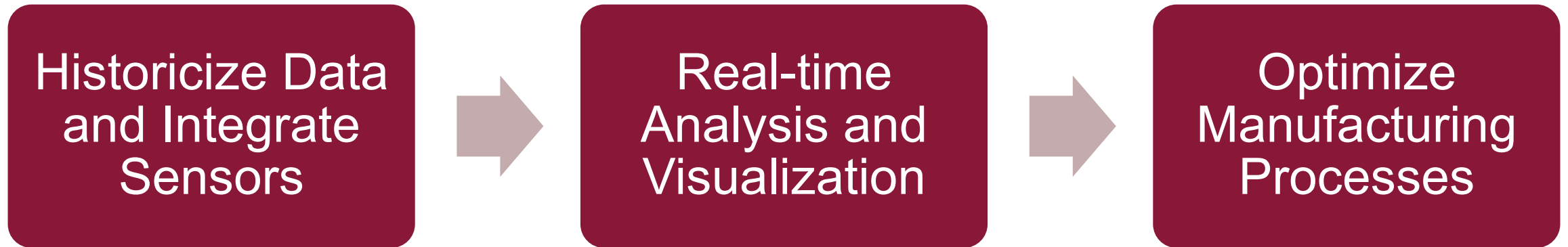
Increase Transparency

Faster Response

Improve Repeatability of Results

Improve Product Status Visibility

The Path to Innovation and Growth Begins with DATA



We use dataPARC as our data visualization software for the insights we need to optimize our manufacturing processes.

Technical Improvements Overview with dataPARC

- Sensor Integration
 - Manufacturing Systems
 - Mills
 - Tank levels
 - Product flow
 - *And more*
 - Packaging Systems
 - Tanks
 - Jug counts
 - Statistical Process Control (SPC) data
- SPC Data Integration
- Laboratory Information Management Systems (LIMS) Integration



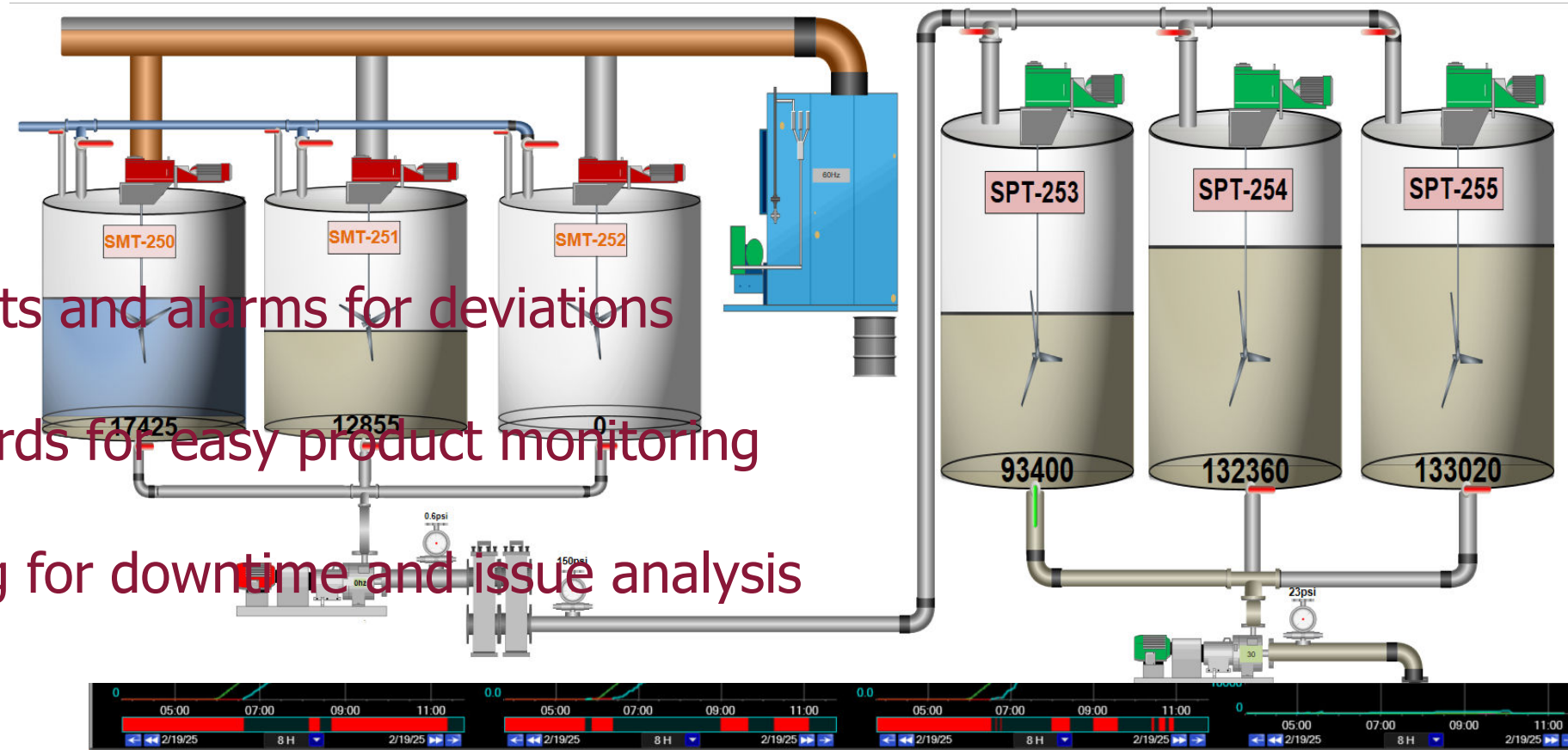
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**Digitizing for Accelerated
Project Timelines**

Real-Time Monitoring to Enable Data-led Decisions

- Uses sensors to track and provide real-time feedback for:
 - Pressure
 - Temperature
 - Fill Weights
 - Tank Levels
- Provides instant alerts and alarms for deviations
- Creation of dashboards for easy product monitoring
- Utilizes cause coding for downtime and issue analysis



In Progress: Digital Packaging and Manufacturing Sheets



- What:
 - Deploy generative AI to compile unique customer information into a standard format
- Why:
 - Standardization and paperless workflow enable faster project kick-off, review and approval
 - Operators receive clear step-by-step guidance for improved efficiencies
 - Weight verification and tolerance checks are automated for improved accuracy
 - Reduced manual errors and improved traceability
 - Built-in error checking and alerts

In Progress: AI-Driven Verification

- Starts in shipping and receiving for raw material verification
- Moves to manufacturing to verify chemicals before batching
- Automatically pulls and verifies lot numbers
- Provides production and quality assurances
- Reduces manual checks



Our End Goal

Lower Risks

Increase Transparency

Faster Response

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Thank You!

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Sims Turner

VP of Sales & Business Development, CJB Industries and CJB Applied Technologies

