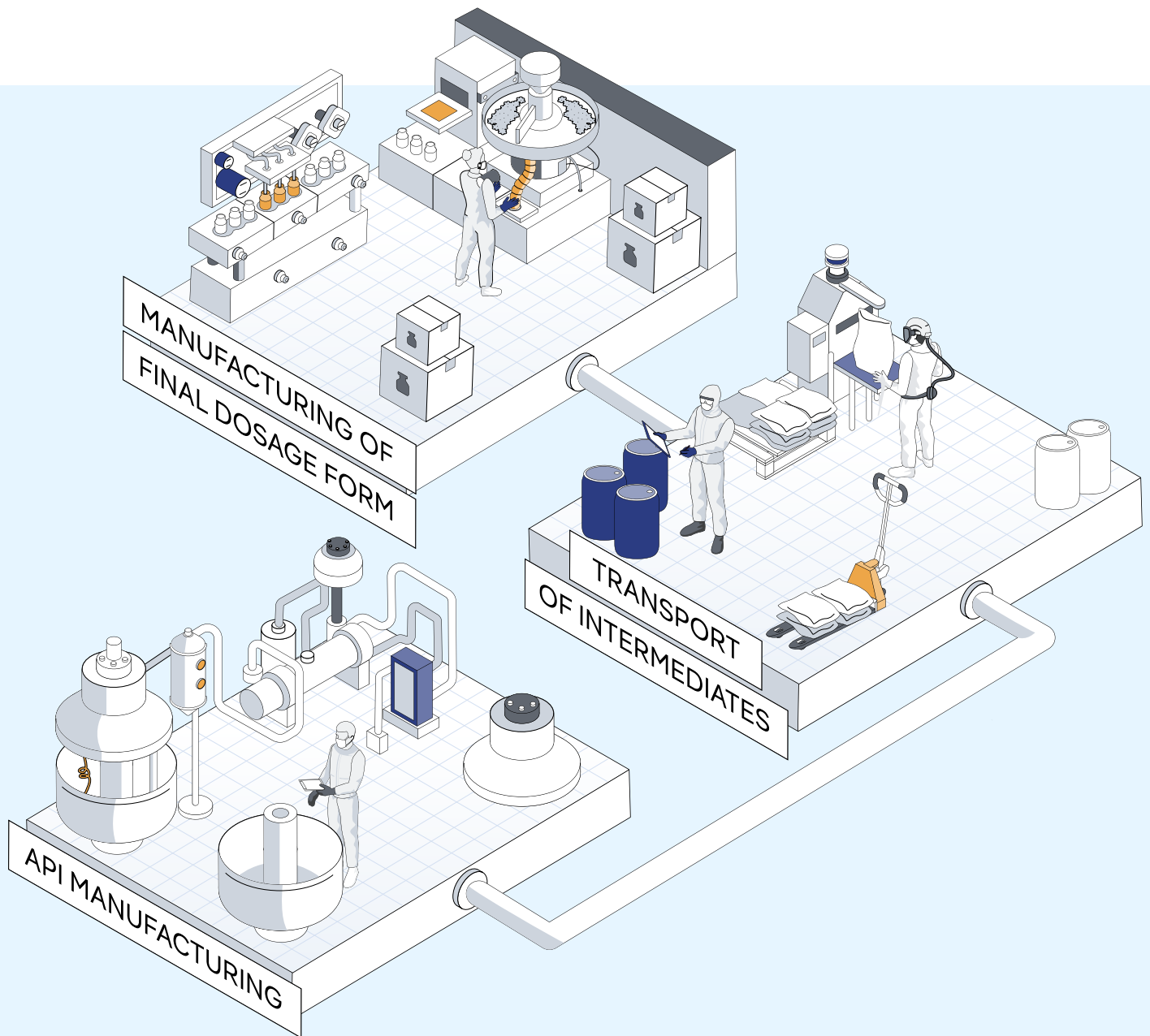


Pharma Industry – H₂O₂ Decon Process



Process



Automated VHP Cycle

- Dehumidification
- Conditioning
- Decon
- Aeration
- Process Control & Exposure Measurement

Exposure & Clearance Measurement

- Monitoring of residues
- OHS-related
(exposure limit between 0.5 and 1 ppm)
- Product safety-related
(limit may be in the ppb dimension)

Documentation

- Recording of all quality-relevant tasks
- Early detection of deviations
- Corrective action
- Risk-based process adaptations

Decon Strategy

- Type of contamination
- Desired log reduction
- Timing
- Cycle parameters
- Validation

Manual (post-) Work

- Standalone or in addition to automated cycle
- Cleaning with liquid solution
- H₂O₂, Spor-Klenz®, CIP100®, CIP200®...
- HAZMAT handling & PPE requirements

Support Tasks

- Sterilization and decontamination of PPE
- Calibration of gas detection equipment
- Handling of bio indicators
- Re-Validation
- Training

Main Challenges



Decon Strategy

- Cycle parameters
- Compatibility with existing equipment



Automated VHP Cycle

- Process Control & Exposure Measurement
- Expected vs. measured concentration



Manual (post-) Work

- HAZMAT handling & PPE requirements
- OHS vs. patient safety



Exposure & Clearance Measurement

- Ensuring OHS
- Monitoring of residues



Support Tasks

- Sterilization and decontamination of PPE
- Calibration of gas detection equipment



Documentation

- Recording of all quality-relevant tasks
- Risk-based process adaptations

Dräger Solutions



Automated VHP Cycle

- Polytron 7000 transmitter with Sensor HC
- X-node transmitter with Sensor HC



Exposure & Clearance Measurement

- Polytron 7000 transmitter with Sensor LC
- X-node transmitter with Sensor LC
- Tubes
- X-am 5100 monitor with Sensor LC XS



Documentation

- Calibration certificates in line with good documentation practices



Decon Strategy

- X-node transmitter with Sensors LC & HC



Manual (post-) Work

- X-node with Sensor LC
- X-plore 8000 PAPR with combo filter
- X-plore 9300 Airline



Support Tasks

- H₂O₂ target gas calibration service



Ensure patient and worker safety with a holistic approach

Our experts have a comprehensive understanding of your unique processes and the know-how to find the right solution for your use case.

> Get in touch with our experts!

ETA Process Instrumentation

etapii.com

sales@etapii.com

tel: 978.532.1330

New England

Martech Controls

etapii.com

sales@martechcontrols.com

tel: 315.876.9120

Upstate New York