How to create and maximise the value of chemical intelligence from the supply chain

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Chemical identification for a safer world







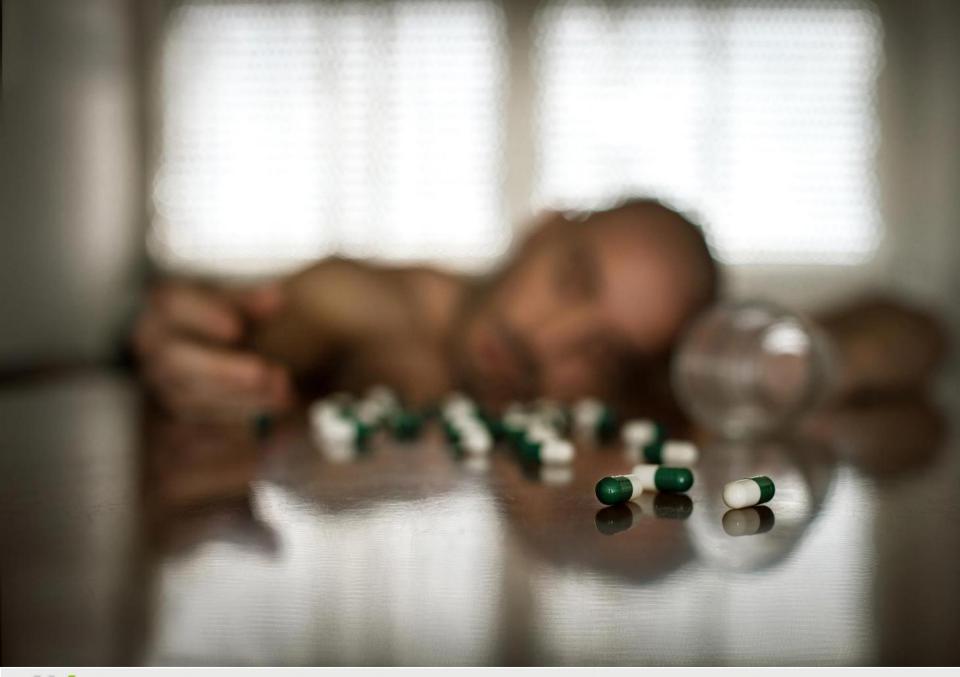




















Supply chain challenges

- How to ensure authenticity of chemicals?
- How to id and keep up with new narcotics?
- How to prevent terrorism based on chemicals?
- How to see the bigger picture?
- Current IT systems and procedurs insufficient
- Labs slow from too much (unnecessary) work
- No high-level analysis

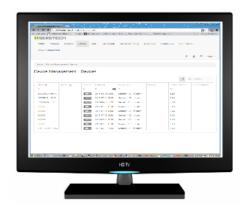


Our Offer



4SERSTECH

"Indicator" & "ChemDash"



Measure Add-value Share & Act





A system for continuous improvements







A complete productivity solution

- Store, analyse and share chemical data and measurements
- Administrate your instruments
- Build and manage spectral libraries
- Share measurements
- Create reports
- Build missions





Leveraging chemical intelligence

Data focus

Business process scope

Mission focus

End Use Cases



QA control



Illegal substances



Counterfeit



Distribution chain validation

Data values

- Device health
- Device configuration
- · Secure data
- Validated data
- Trace data

Information values

- Visualization
- · Data analysis
- Repositories
- User levels

Awareness values

- Mission services
- · Information sharing
- Context analysis
- Business IT integration
- Business adaptations of solutions







ChemDash overview

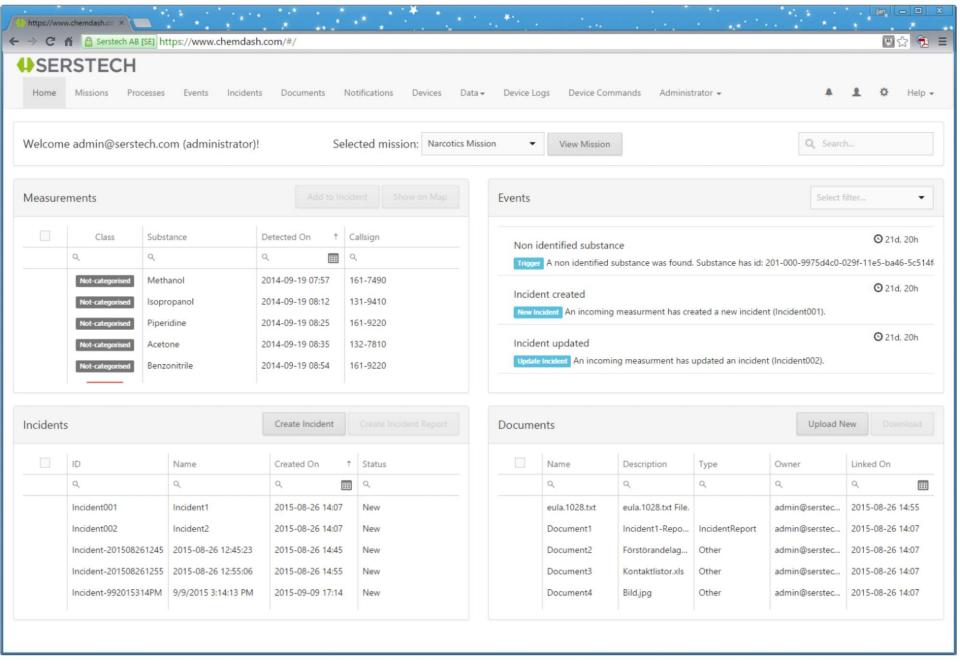
- Cloud infrastructure
 - Multi-tenant
 - State of the art security
 - Customization support
 - Cloud or customer in-house deployment options
- Integration API
 - REST
 - JSON
- Service enablers
 - Databases
 - Device status & configuration
 - Chemical data
 - Device management
 - Device discovery & localisation
 - Status monitoring
 - Bulk configuration & management
 - Bulk firmware update
 - Mission concept
 - Customer Dashboards

- Services potential
 - Enterprise IT systems integration
 - Control systems & work process integration (e.g. process alarms)
 - Spectrum analysis
 - Spectrum database integration
 - Meta data analysis (e.g. Trends)
 - Device tracking
- Proven technology platform
 - SAAB development partner



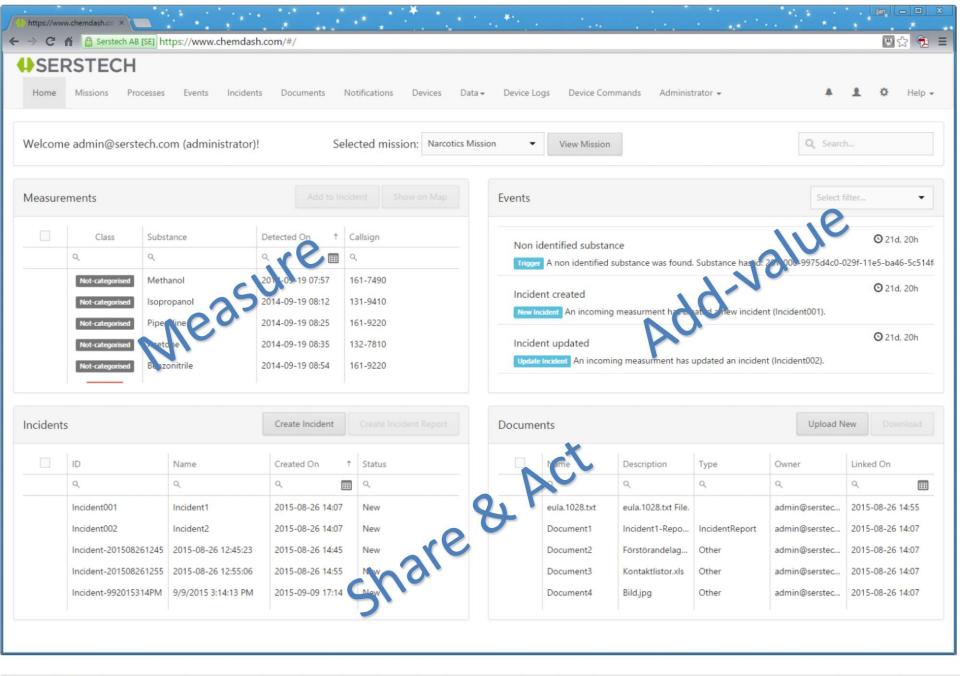
















Immediate answers from the world's most available spectrometer...



"Serstech 100 Indicator"





Serstech 100 Indicator

- Three-instruments-in-one
 - Screen
 - Identify
 - Verify
- Fast and accurate identification
 - Mixture analysis
 - Actionable data
- Easy to use
 - Get started in 5 min
 - Intuitive menus
- Easy handling of databases
 - Several databases available
 - Add you own



Connected

- USB-interface
- Smart PC/Mac software

Future proof

- Regular firmware updates
- Add new databases
- Compatible with ChemDash system

Built for field use

- Designed for tough environments
- Waterproof
- No touchscreen users wear gloves





Screen method

- Search ("Screen") for specific categories of substances of interest
 - Now Regulated: Narcotics, Explosives
- Main purpose is to get "Alert" notification if any substance in the target category(-ies) has been found
- Secondly, to get a "Warning" or "Clear" message
- Target users e.g:
 - Customs and police officers, bomb disposal teams
- Supported categories can be expanded over time, e.g. Toxic, Hazardous



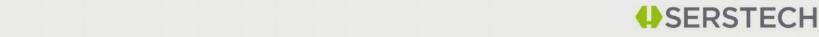




Screen result displays

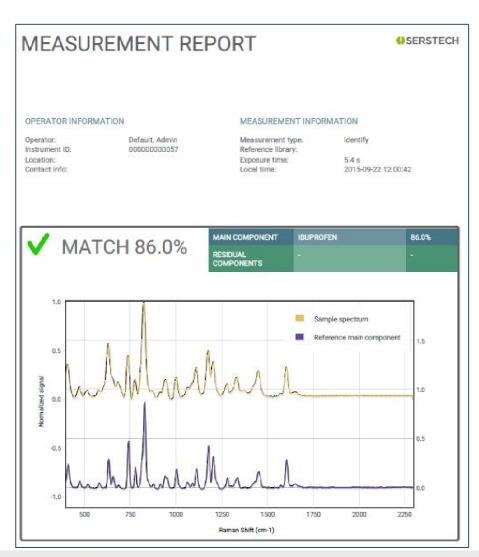
- Regulated substance found:
 - Red screen "Alert"
- Precursor or Masking Agent:
 - Orange screen "Warning"
- Non-regulated or Cutting Agent:
 - Green screen "Clear"
- Uncategorised, Unknown or no substance found:
 - Grey screen e.g. "Inconclusive"





Measurement Reports

- Reports generated for every measurement
- Stored in PDF format







User interface languages

- Chinese
- Danish
- English
- French
- German
- Japanese
- Polish
- Russian
- Swedishand more to come





Benefit 1: As fast as the enemy

- Collaborate!
- Minimize time from first identification to fully deployed
 - Within organisation
 - To partners
- Use existing IT networks for sharing (eg CEN and IPM)
- Automate the process (national gatekeepers)
- Analyse and improve





Benefit 2: Do more with less

- Build mission to streamline operations
- Auto-create incidents with reports and tracking, while adding "free text"
- Manage all your instruments from one place
 - Updates, measurements, logs, users, etc.





Benefit 3: Leverage data in fight against organised crime

- All data in one place (geo-redundancy)
 - Map incidents
 - Apply analytics
 - Reporting and statistics



- Reduce lab workload
 - Focus on in-depth analyses rather than routine



A vision of Chemical Awareness

We envision a world where modern chemistry is a true asset and not a threat. Serstech is the leading supplier of the required chemical awareness.





A mission for better decisions

We create chemical awareness that help those confronted by unknown chemicals make better decisions. We create information and turn it into knowledge.







A company "born global"– with its home in Sweden

- Founded in 2006, based on research at DTU
- Ideon Science Park, Lund, Sweden
- Experienced team and board
- Listed on Innovation Stock Market in Stockholm





Meet us in booth 44

No more lock-in by suppliers or legacy data – talk to Serstech today and start maximising the value of your chemical intelligence!



Join us to make the world safer and cleaner











