INDATECH READY
INDATECH's multitasking software

- Control of all Indatech instruments
- Importation of chemometric models
- Simplified mode for operators
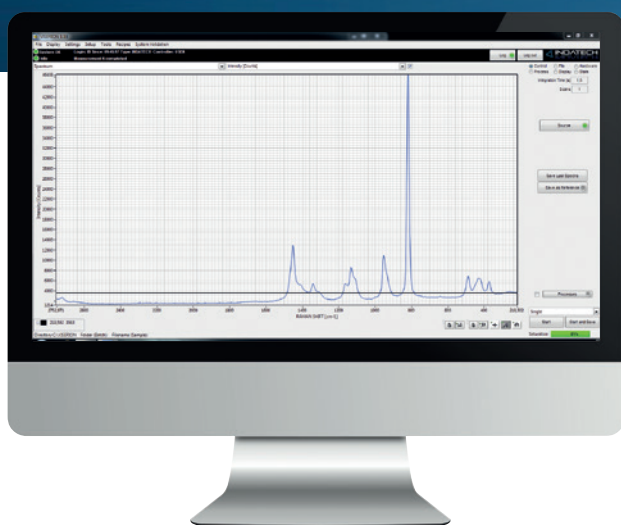- Communication via OPC-UA
- Validated as CFR21 part 11

Measure up

For the biotechnological and pharmaceutical industries, Indatech - Chauvin Arnoux Group **proposes several innovative spectroscopic analyzers** for in-line assessment of your product's critical physical and chemical quality criteria in real time. From upstream to downstream, and not forgetting the lyophilization stage, **our experts offer you the best possible cost/performance** trade-off by taking your objectives into account: **speeding up development of the process or improving and automating production**. Our solutions, which are fully compatible with automation thanks to their OPC UA communication capabilities, **have already been integrated in the systems of the major players** such as GEA, Pharmatechnology and Proditec.

Multitasking software.

Software for checking, collecting and processing instantaneous data transmitted by the measuring instrument, from the laboratory through to the production line.

Control by automation

The software includes advanced communication protocols such as OPC-UA or TCP IP. In this way, it is possible to control and command the instruments remotely by means of automation or via advanced production software such as SIPAT, SyntQ or SCADA. Indatech's instruments thus become totally autonomous on a production unit, saving time for the operator.

Adapted for each INDATECH solution

Software versions for the whole range of INDATECH spectroscopy instruments:
Asuryan Ready (UV VIS), **Viserion Ready** (Raman), **SRS Ready** (NIR with SAM SPEC technology).

Data processing

Ability to use the full power of chemometric analysis:
- Possibility of directly importing models from Eigenvector Research's PLS-Toolbox,
- Ability to work with the SIMCA suite from Sartorius.
- Display of the predictions in "READY" in real time.

State at delivery

The Ready software is delivered with all the instruments in the Indatech range to allow control of the instrument and interaction with the developers, operators or other machines.

Compatible with pharma standards

Acquisition in an internal data format (IDM "Indatech Data Measurement"), or the more standard "SPC" format, both suitable for spectroscopic measurement, with speed varying according to the technology used. Tools are also provided for instantaneous extraction of the data and activity reports as well as **management of the access rights or electronic signatures**, all in conditions compliant with the **21 CFR part 11 standard**.

Data management

- A system for modulating the data acquisition parameters:
  > type of acquisition (one-off, periodic or configured via recipe),
  > integration time,
  > number of scans.

- Acquisition in an internal file format containing the various data of interest (references, spectra, calculated process values for the object, metadata, experimental environment, batch no., etc.), or in standard SPC format.

- Possibility of exporting in the universal SPC format

- A data acquisition and recording procedure designed for compatibility with the 21 CFR part 11 standard

- Generation of end-of-batch reports

Generation of recipes for operators

- Definition of the acquisition and display parameters

- Importation of chemometric models (PLS, ACP, SVM, ANN, etc.)

- Definition of the acceptance limits for each of the imported models

- Automatic loading of the parameters for the operator

Human/machine interface

Title
Menu
System status
Data display
Data backup information
Configuration panel
Activation of acquisition mode

Data display

- Possibility of viewing and monitoring the intensity, dark and absorbance in real time.

- Possibility of displaying a history of the most recent spectra

- Possibility of multiscreen display

- Display of the critical parameters for the chemometric models (prediction, Hotelling's, Q^2).

Qualification, maintenance and control tools
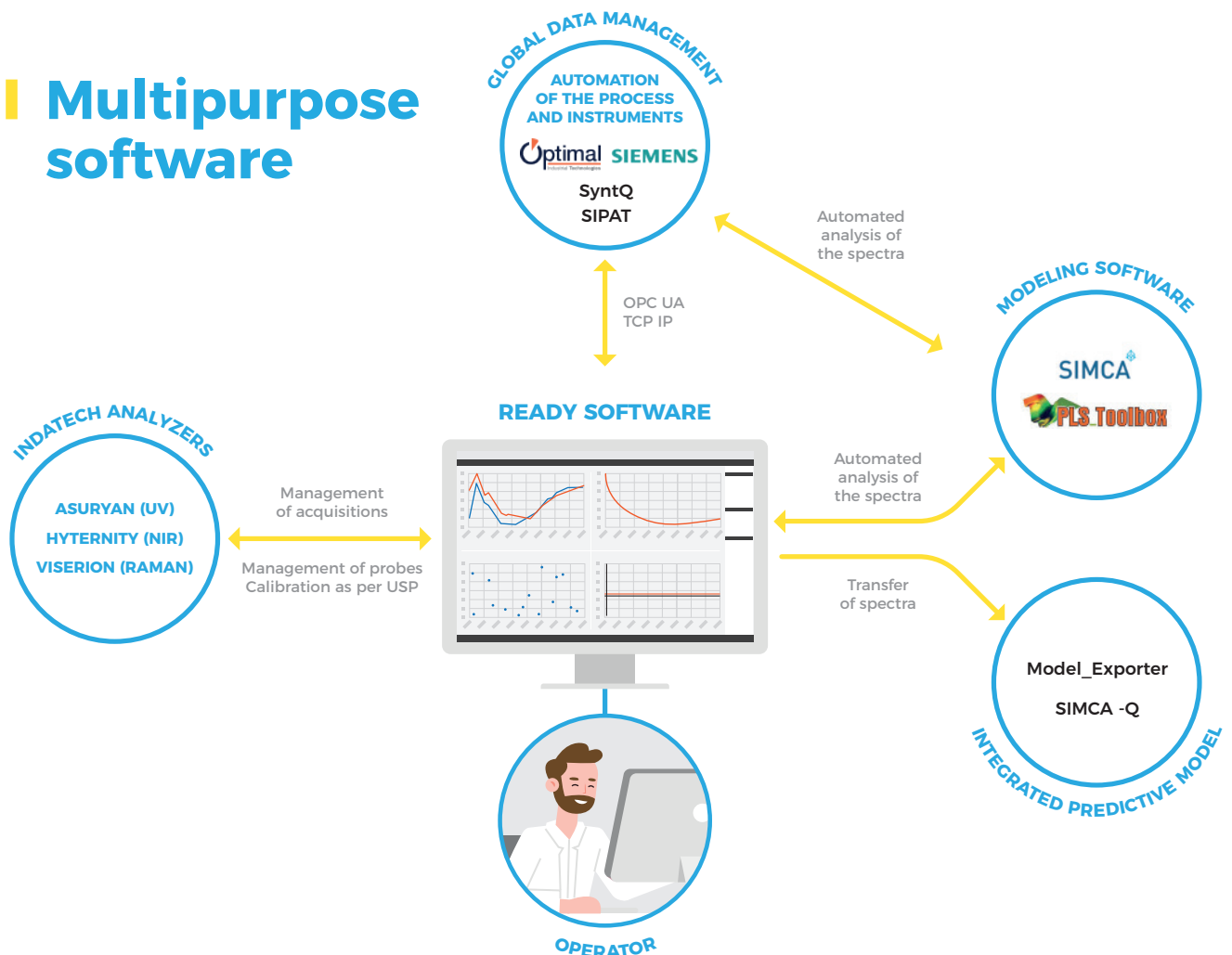
- Qualification of the equipment according to the applicable USP standards

- A tester of the status of the various elements with a limited life span (light source)

- A tool for routine verification of the system with an alarm for checking the qualification of the equipment (spectrophotometers, light source, etc.), and your experiments (dark, reference)

- Export of "daily check" reports

To order

Measuring system	Type of technology	USP qualification	21 CFR part 11	Importation of models		Communication mode		
				PLS Toolbox	Simca (option)	OPC-UA (option)	TCP-IP	I/0
Asuryan	UV-Visible	USP 857	Compatible	Yes	Yes	Yes	No	No
Hyternity	NIR	USP 856	Compatible	Yes	Yes (low speed)	Yes (low speed)	Yes	Yes
Viserion	Raman	USP 858	Compatible	Yes	Yes	Yes	No	No

Multipurpose software

GLOBAL DATA MANAGEMENT

AUTOMATION OF THE PROCESS AND INSTRUMENTS

Optimal SIEMENS

SyntQ SIPAT

OPC UA TCP IP

Automated analysis of the spectra

MODELING SOFTWARE

SIMCA
PLS_Toolbox

READY SOFTWARE

INDATECH ANALYZERS

ASURYAN (UV)
HYTERNITY (NIR)
VISERION (RAMAN)

Management of acquisitions

Management of probes Calibration as per USP

Automated analysis of the spectra

Transfer of spectra

Model_Exporter
SIMCA -Q

INTEGRATED PREDICTIVE MODEL

OPERATOR

CHAUVIN ARNOUX
INDATECH