

OpenLAB Client-Server

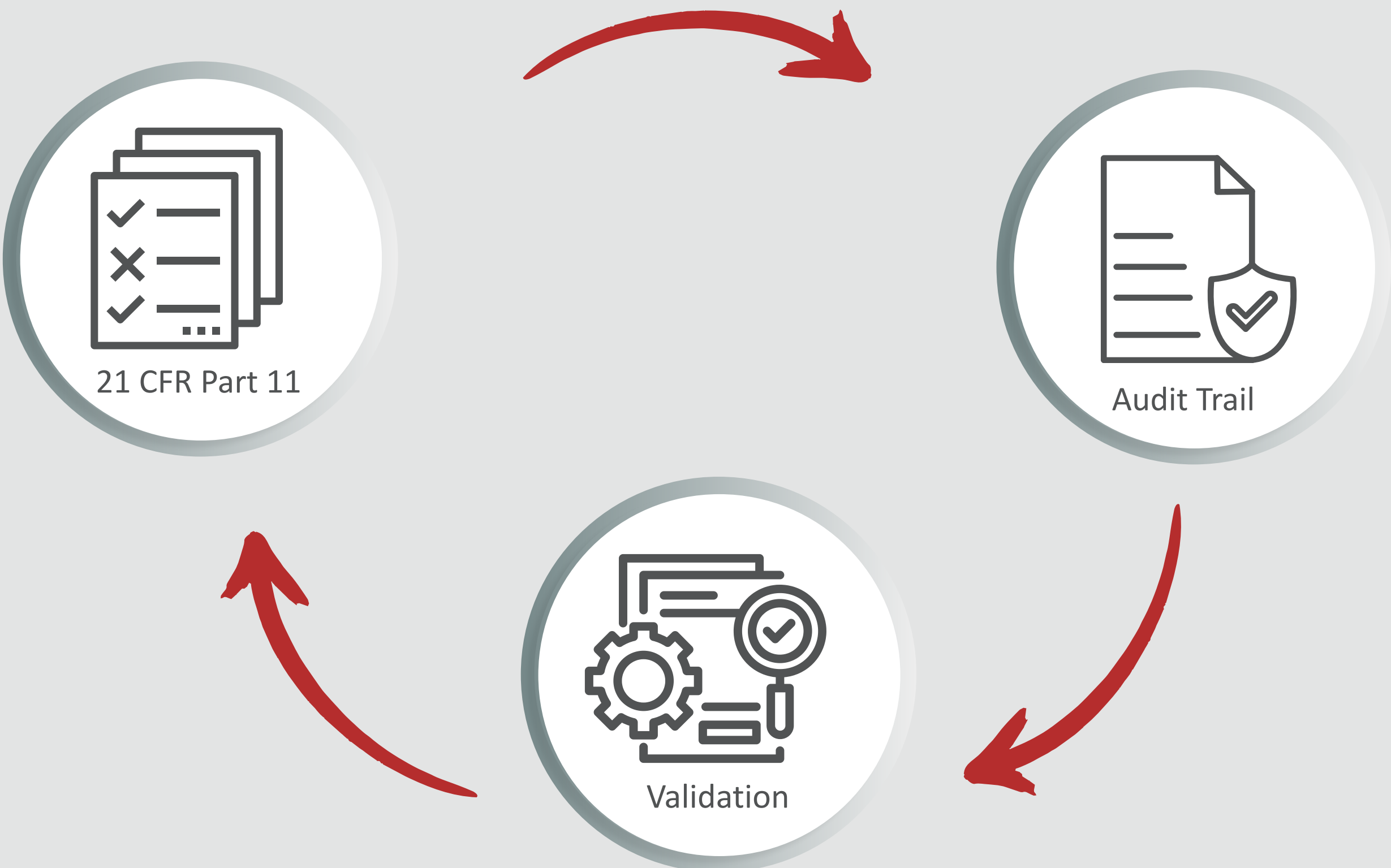
jistota pro GxP laboratoře



Altium

Ing. Michal Novotný

Požadavky na software v GxP laboratořích



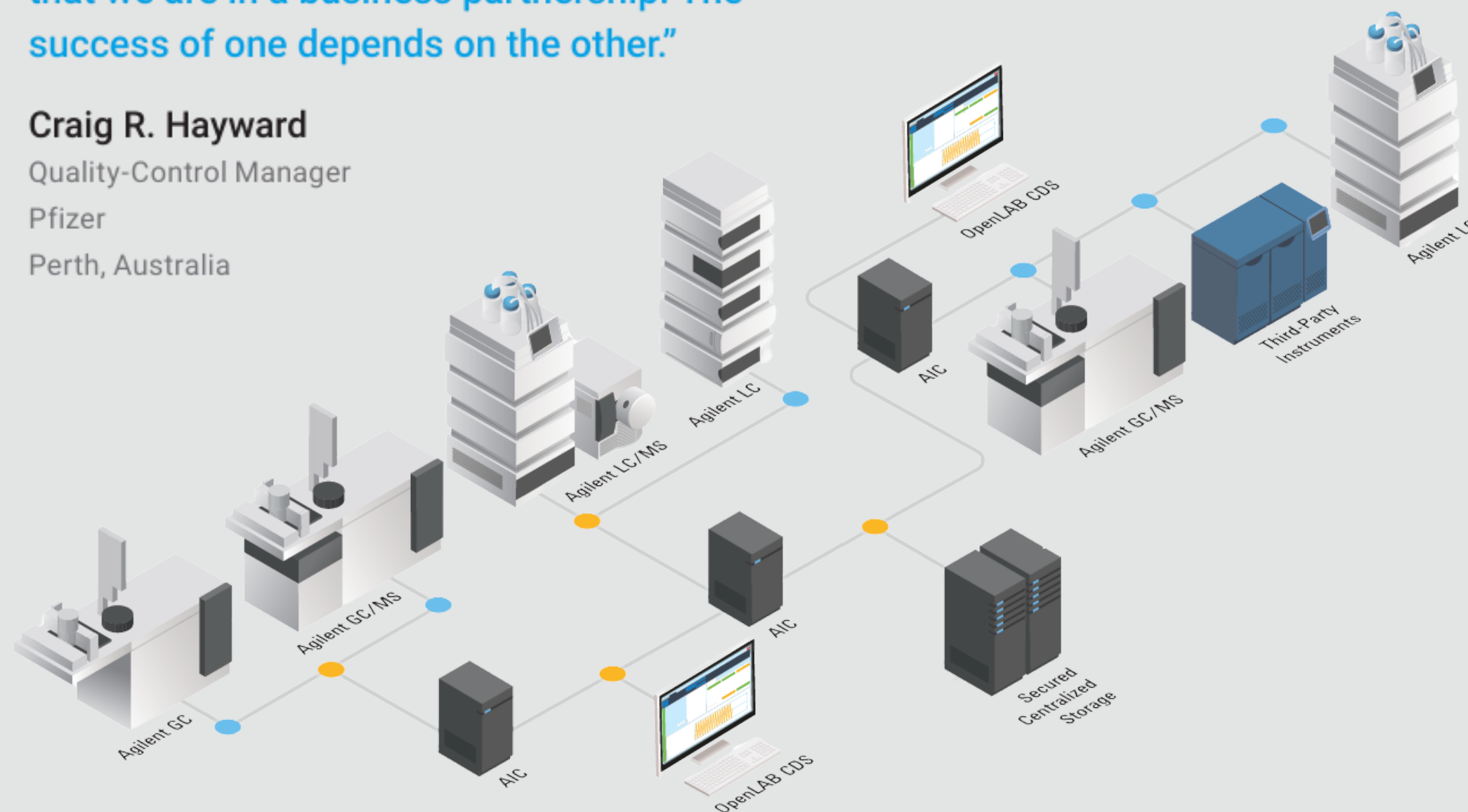
.....

Proč Agilent v GxP laboratořích



"When compared to other services providers, Agilent feels more like a partner. Agilent works with us—they're not just here to make money—and realize that we are in a business partnership. The success of one depends on the other."

Craig R. Hayward
Quality-Control Manager
Pfizer
Perth, Australia



OpenLAB CDS

✓ OpenLAB CDS ECM XT

- centrální server pro všechna data

✓ AIC, Network WorkStations

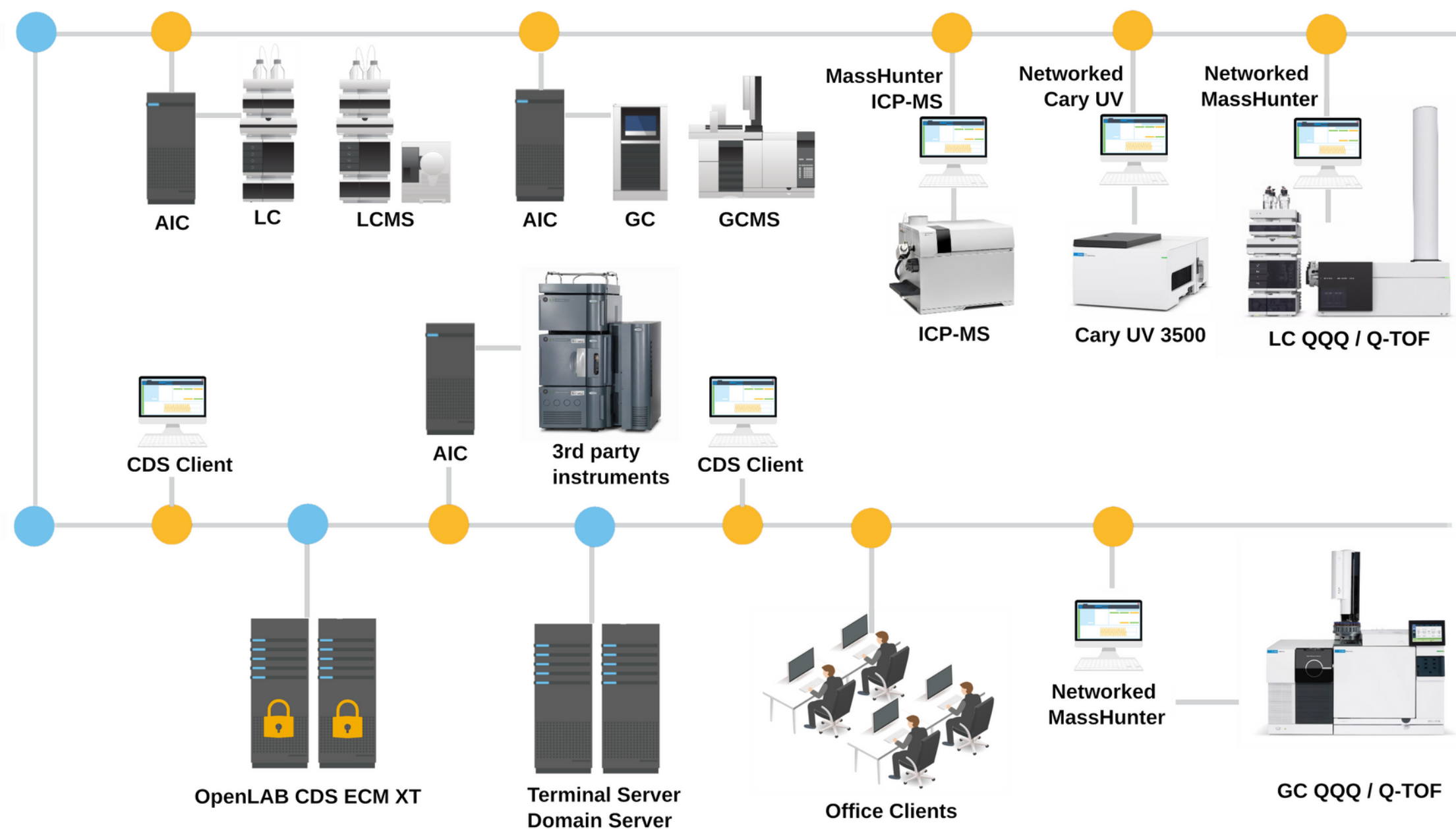
- měřicí stanice

✓ Klienti

- podpora terminálových klientů pro data processing



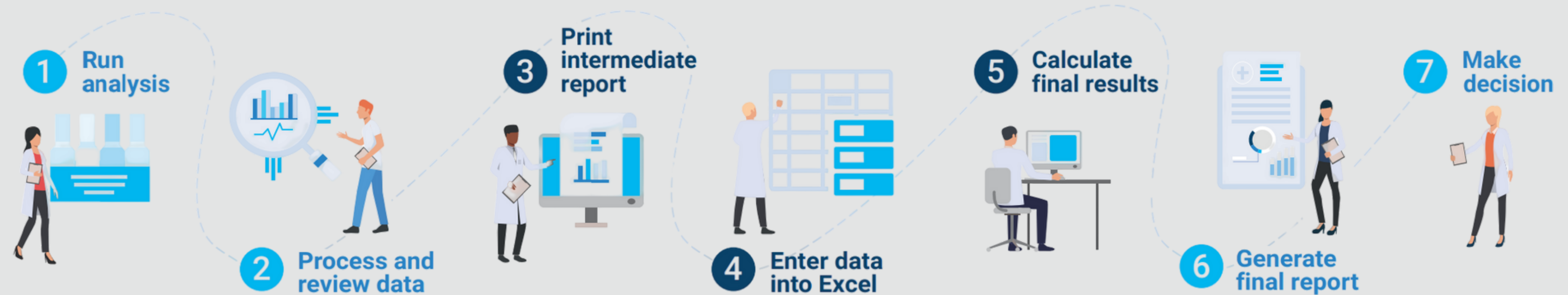
Podporovaná instrumentace



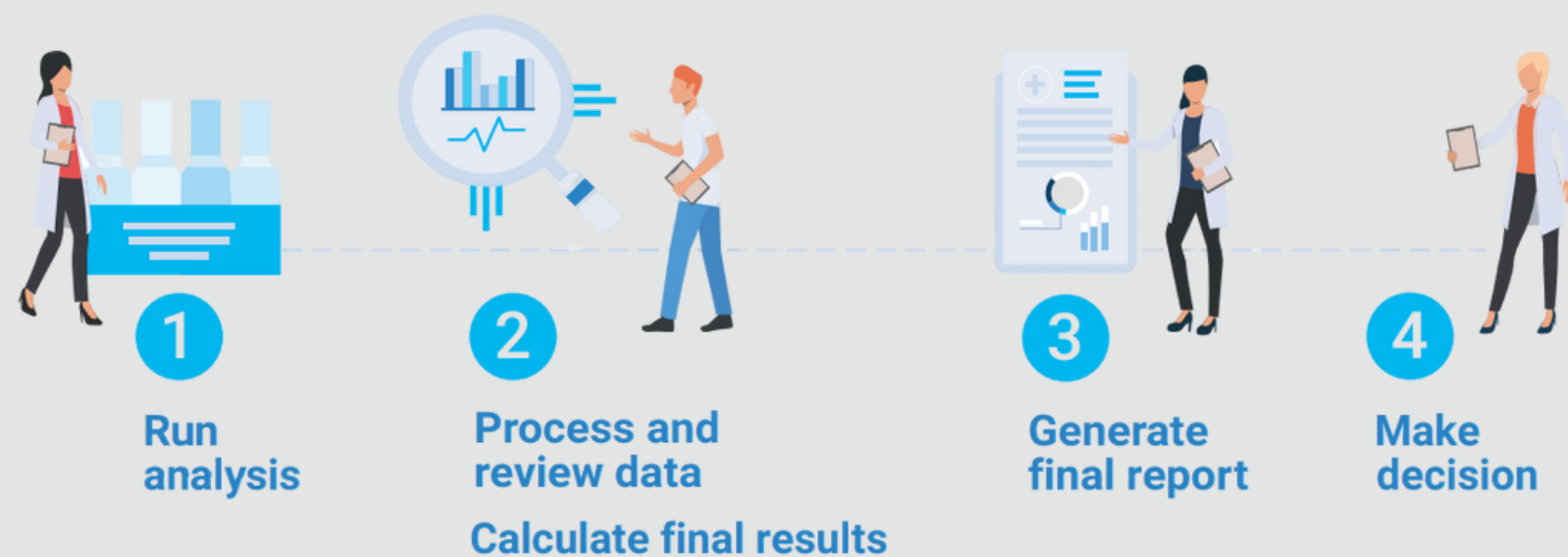
Kompletní seznam na <https://bit.ly/openlab-instruments>

Workflow

Běžný workflow



OpenLab CDS workflow



Reporting

Náhrada MS Excel

- úprava reportů na míru včetně custom výpočtů
- uzamykatelný report template včetně Audit Trailer

Příliš komplexní výpočty?

- report templát umíme připravit na míru jako **službu** včetně dokumentace pro další úpravy



Audit Trail

- kategorizace s možností elektronického Review

Audit Trail

Audit Trail Example_Data_for_ESTD (Number of entries: 1046)

Find

^

▼

From

6/8/2021

To

8/10/2021

Filter

⊕ Version 2021-0810-1329-00240 Saving (10 entries)

⊕ Version 2021-0810-1329-00240 Sample information (90 entries)

⊕ Version 2021-0810-1329-00240 Reprocessing (10 entries)

⊕ Version 2021-0609-1138-55623 Saving (10 entries)

⊕ Version 2021-0609-1138-55623 Sample information (3 entries)

⊕ Version 2021-0609-1138-55623 Reprocessing (20 entries)

⊕ Version 2021-0608-1110-04929 Saving (10 entries)

⊕ Version 2021-0608-1110-04929 Reprocessing (10 entries)

⊕ Version 2021-0608-0953-13431 Saving (10 entries)

⊕ Version 2021-0608-0953-13431 Sample information (22 entries)

⊕ Version 2021-0608-0953-13431 Requantification (90 entries)

⊕ Version 2021-0608-0953-13431 Reprocessing (550 entries)

⊕ Version 2021-0608-0953-13431 Method linking (10 entries)

⊕ Version 2021-0608-0953-13431 Manual integration (21 entries)

⊕ Version 2021-0608-0953-13431 Calibration (90 entries)

⊕ Version 2021-0608-0759-39466 Saving (10 entries)

⊕ Version 2021-0608-0759-39466 Reprocessing (20 entries)

⊕ Version 2021-0608-0759-08705 Saving (10 entries)

⊕ Version 2021-0608-0759-08705 Sample information (30 entries)

⊕ Version 2021-0608-0759-08705 Reprocessing (20 entries)

Audit Trail

Audit Trail Example_Data_for_ESTD (Number of entries: 1046)

Find

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▼

From

6/8/2021

To

8/10/2021

Filter

⊕ Version 2021-0810-1329-00240 Saving (10 entries)

⊕ Version 2021-0810-1329-00240 Sample information (90 entries)

⊖ Version 2021-0810-1329-00240 Reprocessing (10 entries)

State	User name	Date (yyyy-MM-dd)	Description	Host name	Version	Reviewed	Reason	Ca
	admin	2021-08-10 15:28:58+02:00	Injection successfully processed using method 'C:\CDSProjects\Lab A\Default\Results\Example_Data_for_ESTD.rslt\skole... (Version 2021-0810-1328-56338)	NTB-MNOVOTNY...	2021-081...			Rep
	admin	2021-08-10 15:28:58+02:00	Injection successfully processed using method 'C:\CDSProjects\Lab A\Default\Results\Example_Data_for_ESTD.rslt\skole... (Version 2021-0810-1328-56338)	NTB-MNOVOTNY...	2021-081...			Rep
	admin	2021-08-10 15:28:58+02:00	Injection successfully processed using method 'C:\CDSProjects\Lab A\Default\Results\Example_Data_for_ESTD.rslt\skole... (Version 2021-0810-1328-56338)	NTB-MNOVOTNY...	2021-081...			Rep

Review

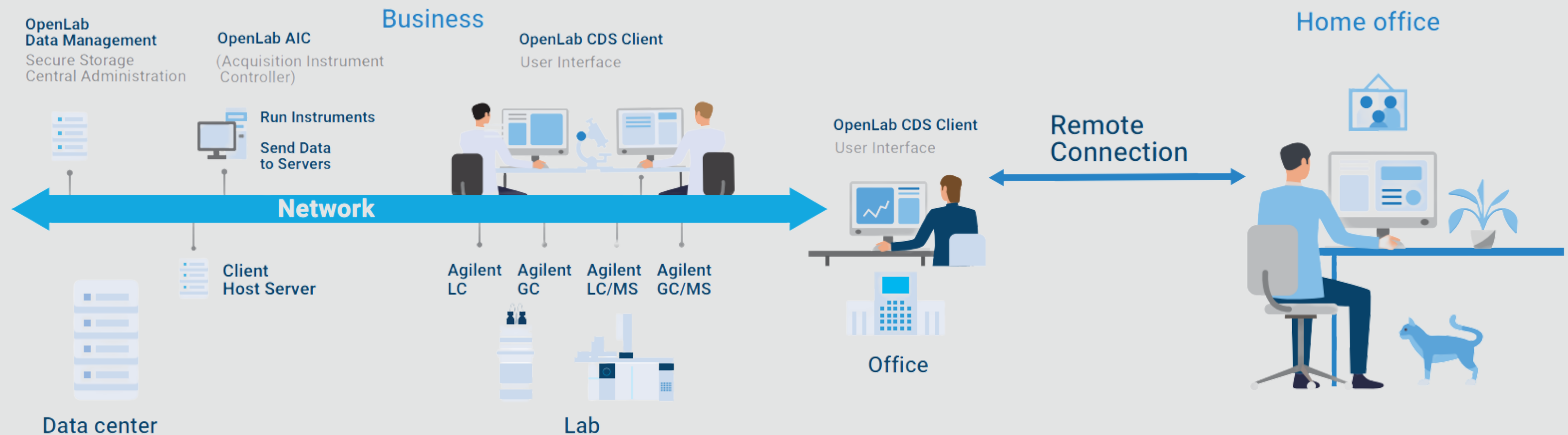
PDF Export...

Print

Close

Remote Lab

- **OpenLab CDS** umožňuje bezpečně, skrze standardní remote nástroje ovládat přístroj, zpracovávat anebo schvalovat data a výsledky



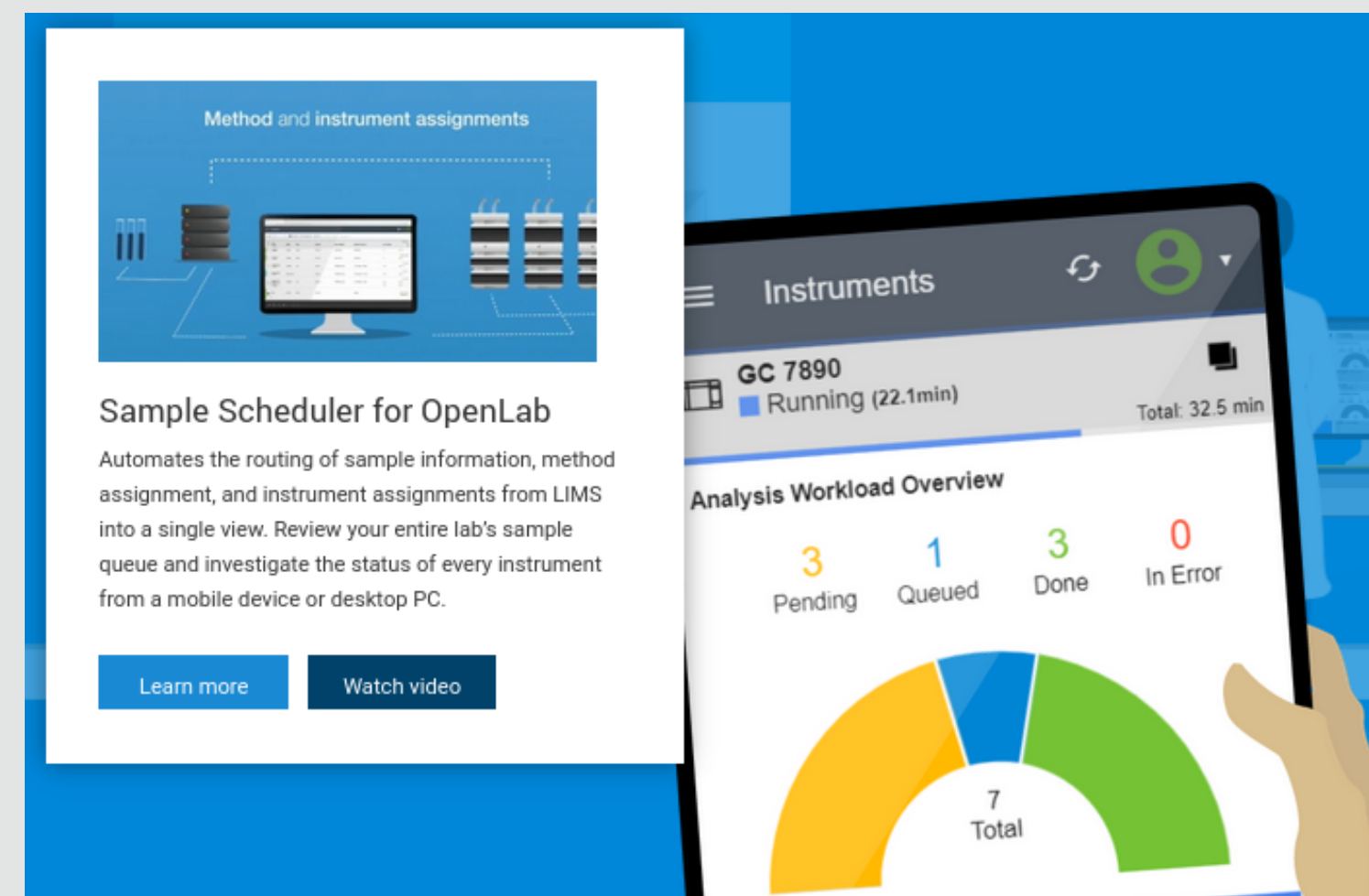
- plná podpora virtualizace všech uzlů

Agilent Technologies

Digitální laboratoř



Sample Scheduler



<https://www.agilent.com/about/digital-lab/en/>

Děkuji za pozornost

