Inductive Automation

Ignition by inductive automation

Say hello to unlimited access and functionality.

Rendszertechnika Kft.

Unlimited Possibilities

Ignition is a powerful integrated development environment with everything you need to create virtually any kind of industrial application – SCADA, IIoT, MES and beyond – all on one platform.

SCADA

Easily control, track, display, and analyze your processes.

IIoT

Make your data more accessible and efficient with MQTT.

MES

Track your production, manage recipes, calculate OEE, and more.

HMI

Build optimized screens to monitor and control your machinery.

Alarming

Build complex alarming systems with ease and get notifications instantly.

Reporting

Easily create and deliver dynamic, database-driven industrial reports.

Edge Computing

Capture and visualize critical data at the remote edge of your network.

Ignition FAQs

Unlimited Clients

With unlimited run-time clients at no additional cost, you can get your important data and analytics to your entire team, across your whole company.

"Using the 'infinite clients' Ignition feature, we could create new clients without spending any additional money."

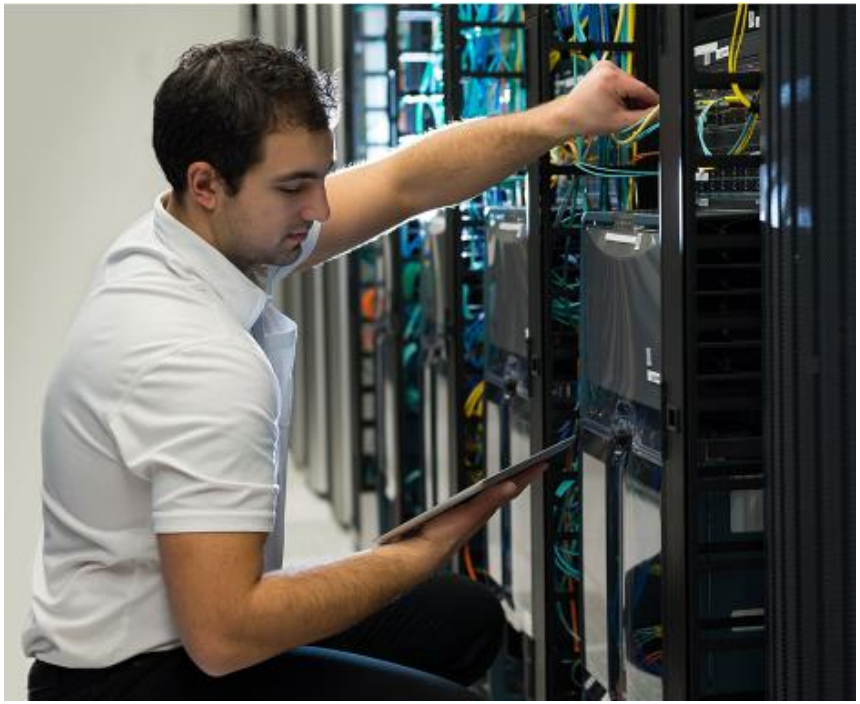
– Alexis Nazareno Chialvo
Autex

Unlimited Tags

Ignition allows you to create and use as many tags as you need for devices, OPC servers, and anything else, without limits.

"There are no licensing limits on screens, no licensing limits on tags. That's a wow moment."

– Chris VanRemoortel
Bixby International



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Unlimited Connections

Using open technologies like OPC UA and SQL, Ignition easily connects to practically any PLC, database, device, and enterprise system so you can get your whole enterprise connected.

"Having unlimited tags, clients, developer seats, and devices makes Ignition the ideal platform to start any IIoT project."

– Arlen Nipper, Co-Inventor of MQTT
Cirrus Link Solutions

Unlimited Designers

You can get your whole team developing projects in Ignition, even at the same time, without paying for extra designers.

"The versatility of unlimited projects gives us the ability to do more than just SCADA ... we have unprecedented access to our data."

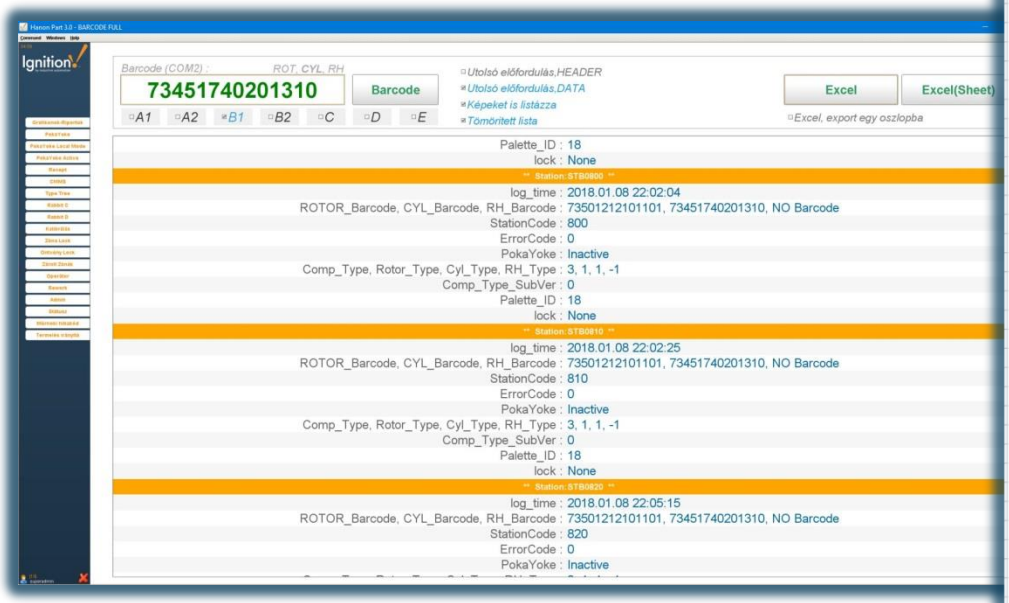
– Jason Hamlin
Plant Instrument Technician

System Performance

Ignition's unlimited licensing model has no limits but the hardware you run it on does, and a server can get overloaded if you push it too hard. Fortunately Ignition software is streamlined for optimum performance and it can be set up in a variety of architectures to accommodate large, multiple-server systems.

What we have done with Ignition by inductive automation

In the next few slides let me show some examples. Please note that these examples doesn't contains all addons. With one more addon the exported files can looks like the online version.



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TargetStationCode :	650
Comp_Type, Rotor_Type, Cyl_Type, RH_Type :	3, 0, 1, -1
Comp_Type_SubVer :	0
OpID_Code :	153488164587, Fazekas Anikó
Lock :	0
OriginStationCode :	650
** Station:	STB0720 **
log_time :	2018.01.08 21:37:38
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StationCode :	720
ErrorCode :	0
PokaYoke :	Inactive
Comp_Type, Rotor_Type, Cyl_Type, RH_Type :	3, 1, 1, -1
Comp_Type_SubVer :	0
STB0720_Upper_Shoe_Size1, 2, 3, 4, 5, 6, 7 :	68.1340, 68.4555, 68.8165, 68.8295, 68.5310, 68.3390, 0.0000
STB0720_Upper_Shoe_Size_Tol_Min, _Tol_Max :	0.0000, 69.5000
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** Station:	STB0725 **
** Station:	STB0750 **
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Comp_Type_SubVer :	0
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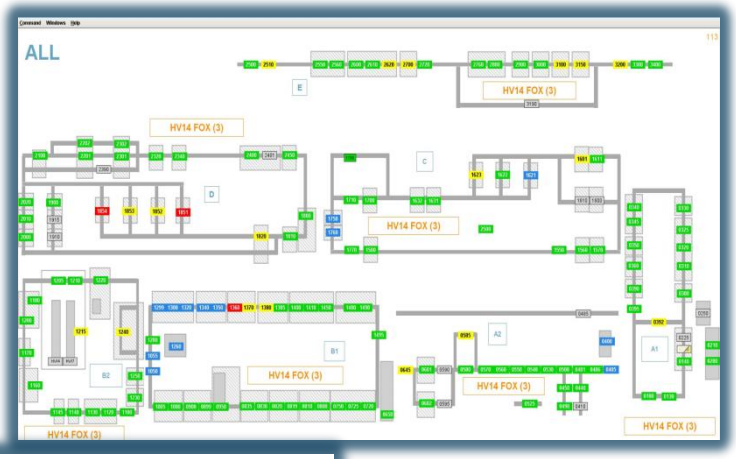
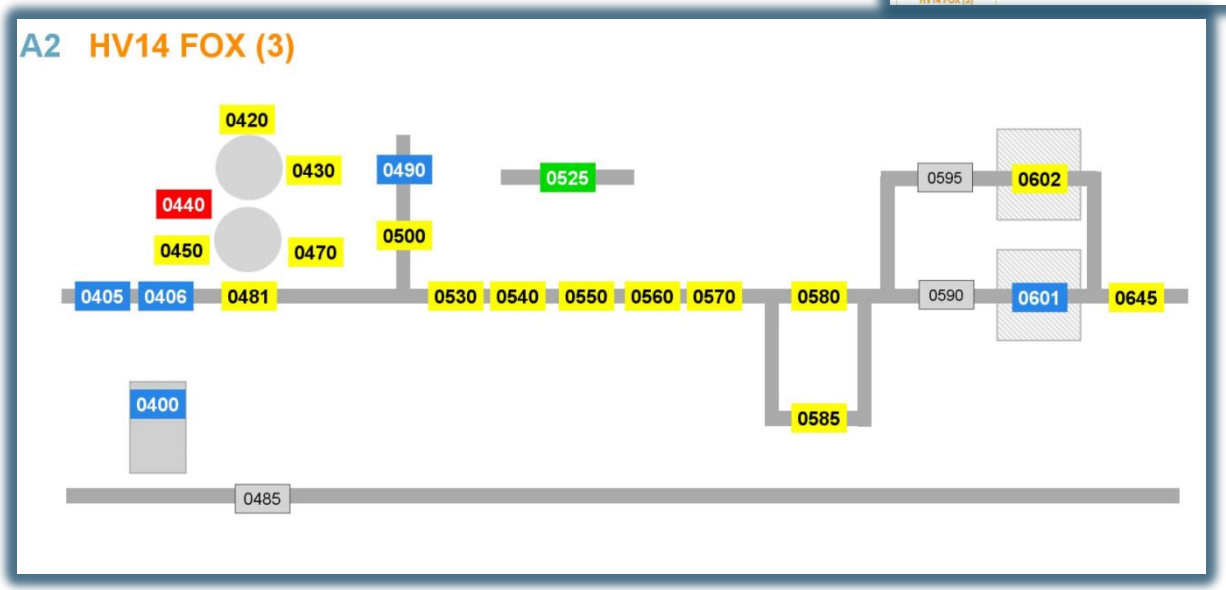
Plant overview

From Admin slide you can choose what do you want to see on the screens. The whole production area (right side) and the problematic section where the production needs some support. (below)



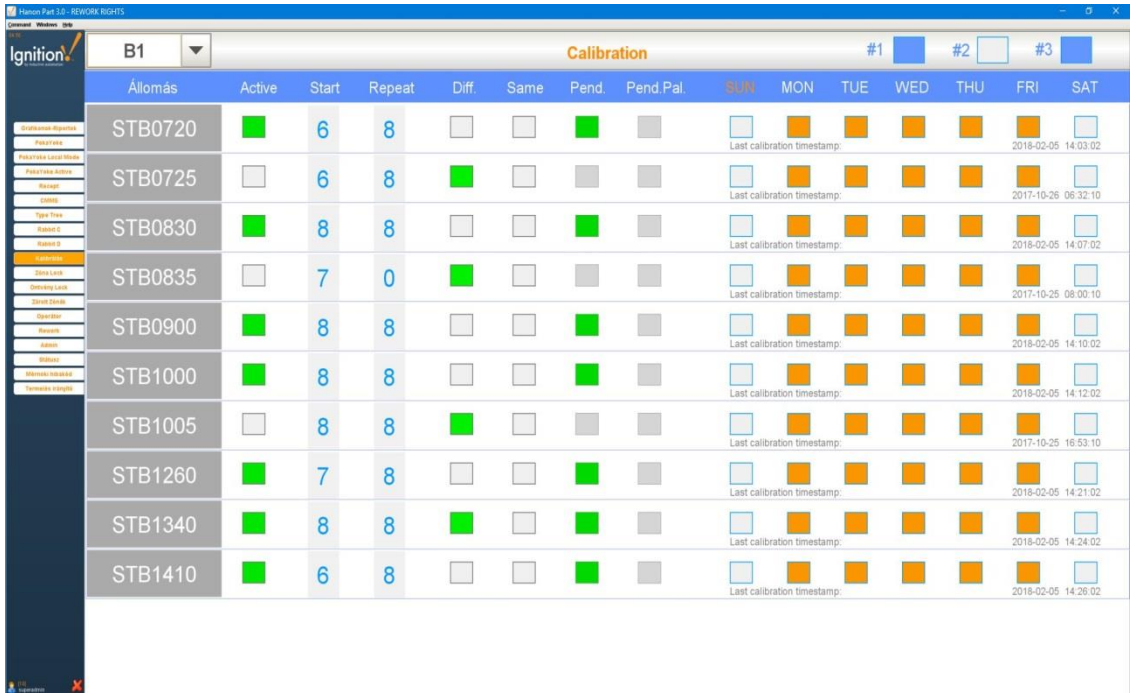


What we have done with Ignition by inductive automation

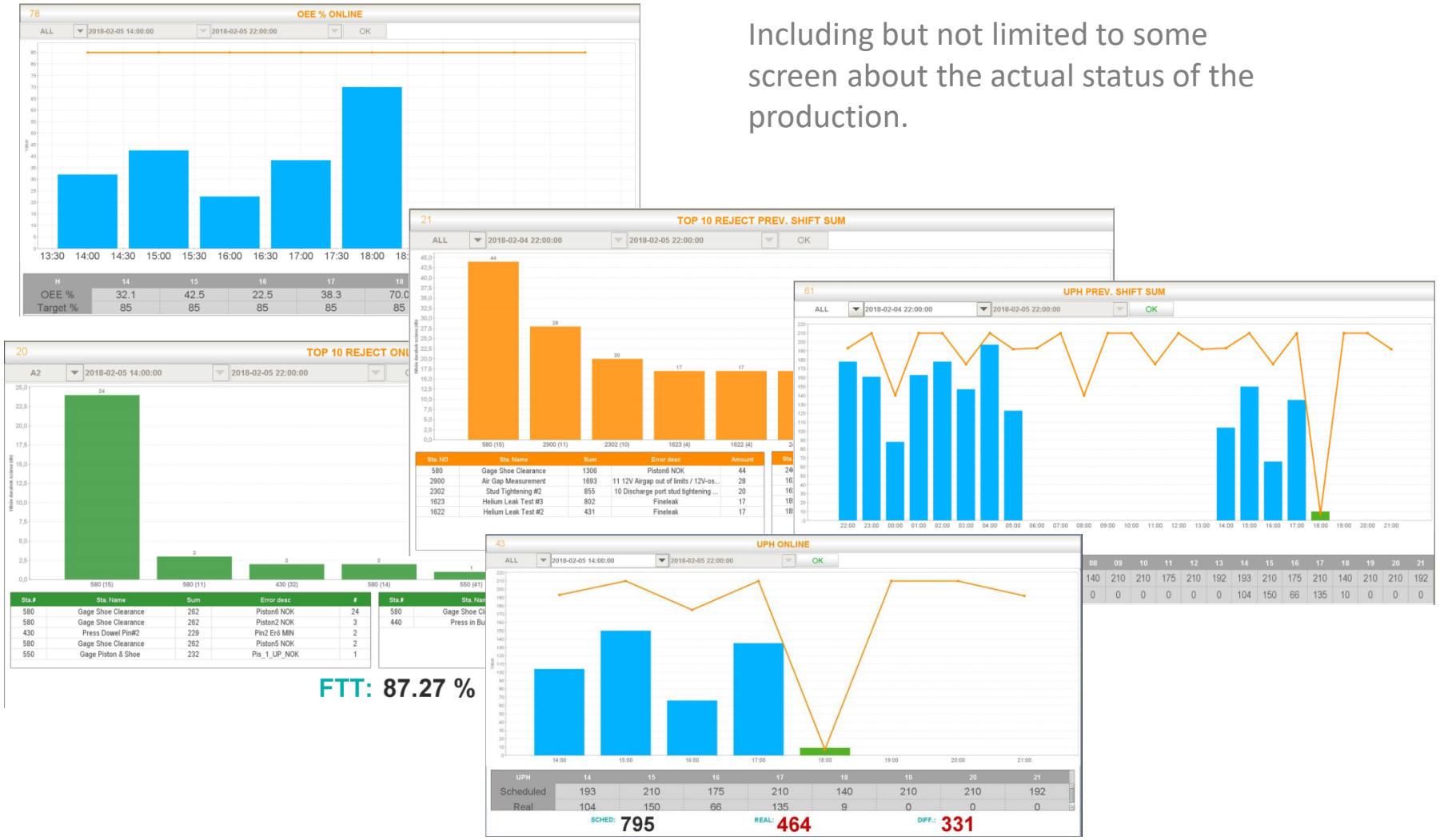
Calibration sheet helps our customer to keep an eye on the production.
One blink on the screen and the responsible knows where to go.

Orange: Days when the calibration necessary

Green: Gives the status and the daily terms of calibration.



What we have with Ignition by inductive automation



Including but not limited to some screen about the actual status of the production.

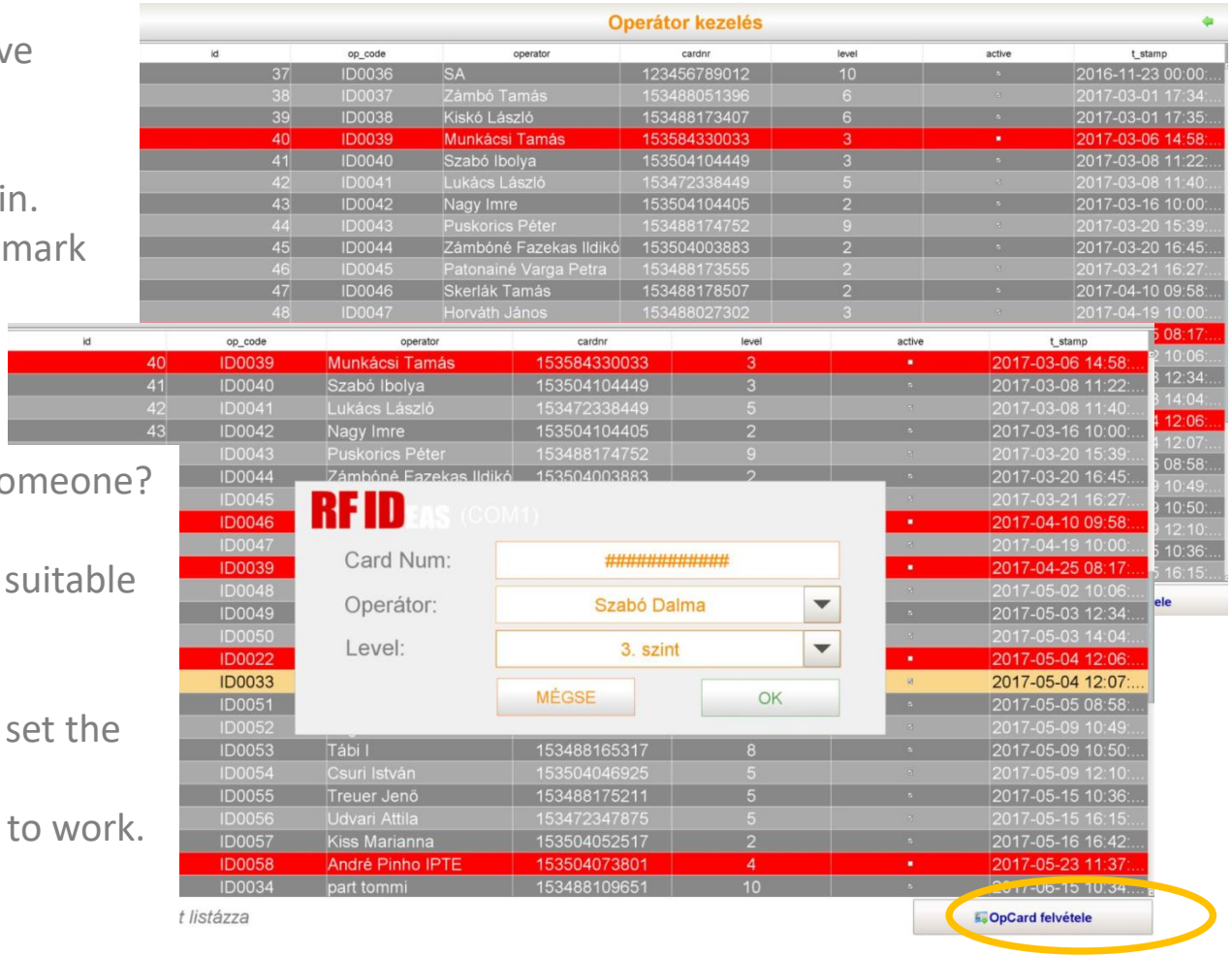
New colleague at plant side or just someone lost his card?

Do you want to remove someone?

1, Administrator sign in.
2, Remove the active mark and save.

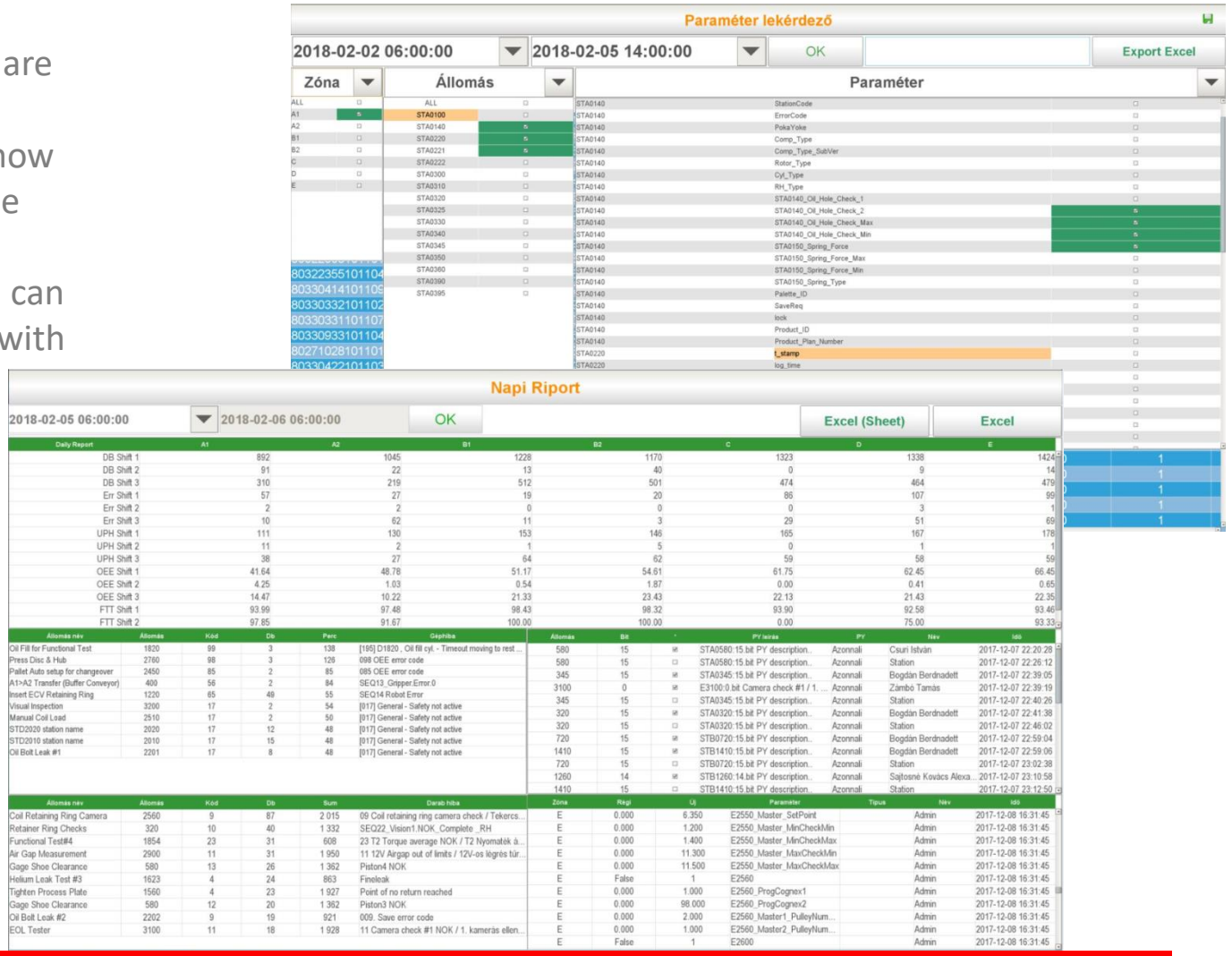
Do you want to add someone?

1, Colleague with the suitable permission
2, Add OpCard
3, Barcode check and set the permission level.
4, New college is free to work.



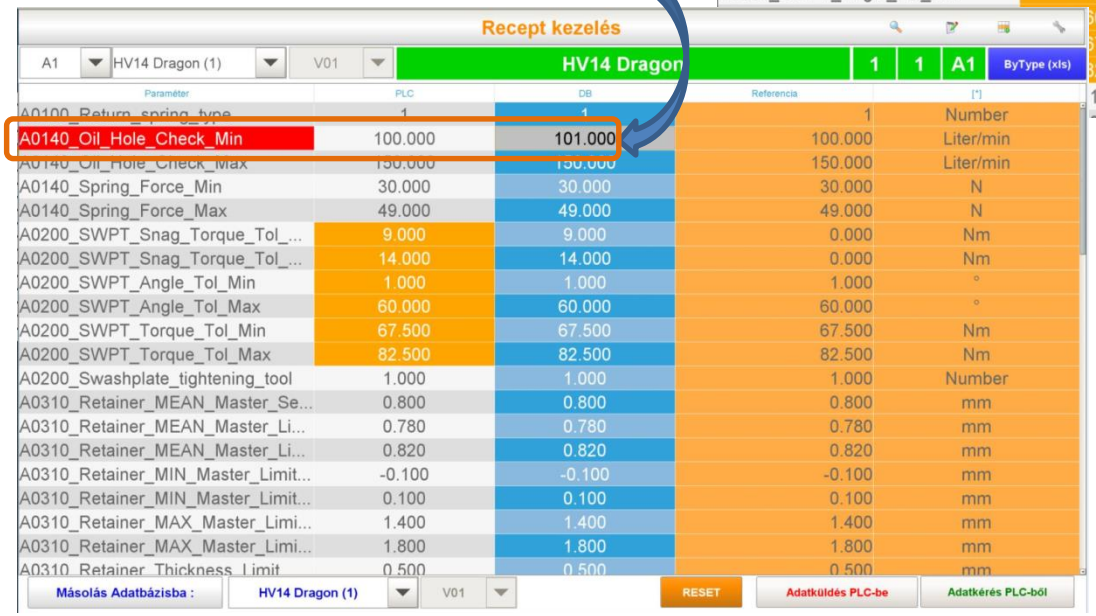
Do you need a quick report?

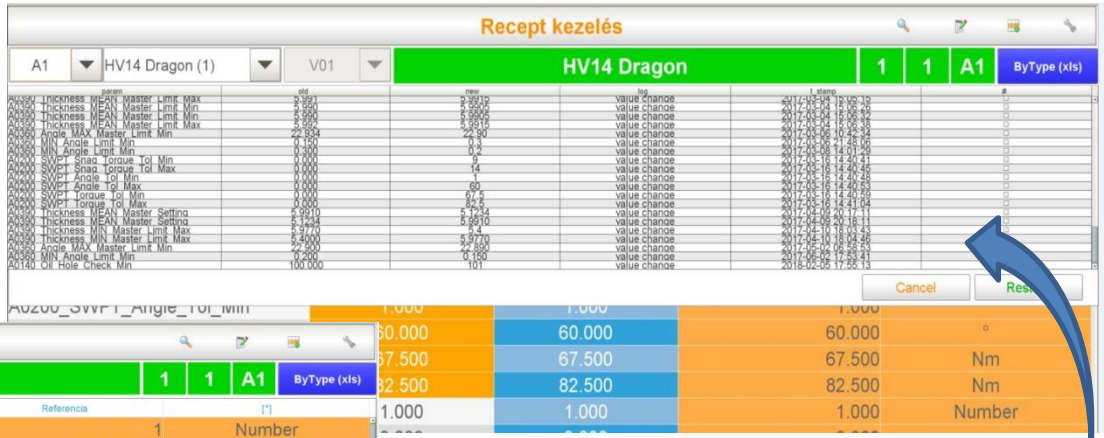
Just choose what are you interested in.
All you want to know will be right on the screen.
Further more you can export it to excel with one more click.



The expert can do the neccessary modifications from any distance

Previous value which is in the PLC and the new value in the DB section. The modification will not be implemented till we do not send it to the PLC.



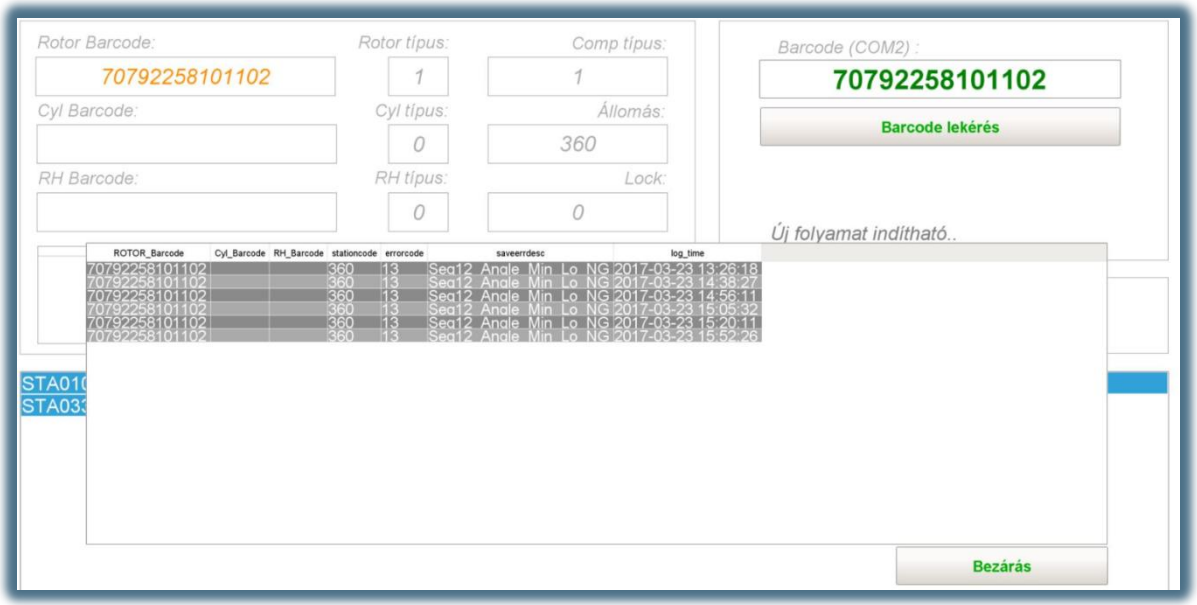


Anyone with the right permission can do the necessary modification. But every move even it is not implemented are going to be logged. Whit this we can ensure the safety of the production.

No more missing information

Go to status:
Enter the barcode and be awere of the whole production history.

Every time if the part in NOK then the operator can send it back to an earlier stage to repair it.



If you want more information about the problem you can check the whole test result with pictures, data and error type frequency.

Thanks a lot for your attention!

„More data you have, more improvement you can do.”

References: