

NIS - SURVEY

Subject: NeXT Improve System (NIS) Survey

Dear Mr Naegele,

Thank you for selecting NeXT Improve System. Compiling NIS Survey is the first step of our collaboration.

In the following you can reach some interesting and helpful links regarding NIS.

Google Drive for Global Agreement

<https://drive.google.com/drive/u/1/folders/0B9dZYuE4NjvIRnBaRXpnZnpRRGs>

NIS reportage:

- NIS in Berbentina - video tutorial

https://youtu.be/gyqT35s_ECc

- How to mount NIS devices - video tutorial

<https://youtu.be/Msx0I2nggMs>

We look forward to receiving your NIS Survey compiled. In any event, please do not hesitate to contact us should you require further information.

Kind Regards

E-Mail for requesting nis-go-deeper-format compiling

Dear Mr. AIO

my name is Lorenzo Bravi and i will manage sharing formats about first and second assessment for NIS in your plant, and i will support you for compiling them.

First i inform you about following video-reportage regarding PLCs and related electrical schema, please share it with your colleagues interested by the same:

- <https://youtu.be/CSAA9SNxZQQ>

Attached you can reach **nis-go-deeper-format.xlsx**.

You should compile it and then you should send me compiled file. Based on it and according to the "Global Agreement", i will prepare **nis-shopping-list** for your plant .

I attached also example-nis-go-deeper-format.xls in which you can find some helpful information for compiling (you can see also following picture).

ASSEMBLY LINE					
NR	WORK-PLACE ID	WORK-PLACE DESCRIPTION	DEPARTMENT DESCRIPTION	ANDON BOARD	TOUCH PANEL
1	FAFL1	LINE 01	FINAL LINE	YES	YES
2	FAFL2	LINE 02	FINAL LINE	YES	YES
3	FAFL3	LINE 03	FINAL LINE	YES	YES

MACHINES						
NR	WORK-PLACE ID	WORK-PLACE DESCRIPTION	DEPARTMENT DESCRIPTION	ANDON BOARD	TOUCH PANEL	PLC
1	FKAL1	Body Welding 01	Welding Line	ANDON BOARD 1	YES	PLC 1
2	FKAL2	Body Welding 02	Welding Line	ANDON BOARD 1	YES	PLC 1
3	FKBL1	Bender 01	Bending Line	ANDON BOARD 3	YES	PLC 3
4	FKBL2	Bender 02	Bending Line	ANDON BOARD 4	YES	PLC 3

The 2 welding machines use the same andon board

welding machines use the same PLC

bending machines use the same PLC

The principal aim of compiling this format is to understand the precise number of devices we should acquire for you.

The format is composed by 2 sections:

- **ASSEMBLY LINES:** it refers to information about assembly line
- **MACHINES:** it refers to information about machines

The data that you should compile are marked through yellow color.

In the first section (assembly lines) you should compile following information:

1. **work-place id:** it refers to the identifier of the work-place; this identifier should be shared with the ERP (you can use ERP identifier of the work-place);
2. **work-place description:** it refers to the description of the work-place
3. **department description:** it refers to the description of the department in which the work-place is located

In the second section (machines), the first three columns are the same described above but in this case it's possible to share some devices, in particular:

1. an "Andon Board" could be shared by more machines
2. a PLC could be shared by more machines

Using cells under columns "Andon Board" and "PLC" you can define just that.

Naturally for sharing an Andon Board the machines that share it should be located in the same area (a little-area), so it's better to use only one Andon Board or it's really impossible to put more than one Andon Board (for space reason).

Furthermore a PLC could be connected at most to 4 machines (if you use 2 signal for each machine) at the same time; so we can optimize the number of PLC we will use; for sharing a PLC with more than one machine you should consider following:

- with a 1mm section cable you can reach a distance of at most 70m from the machine to the PLC
- the plant's technicians (internal or external) should provide for wiring and cables

I hope you will haven't any difficulty to compile this format, otherwise you could ask me any questions.

Kind Regards MyName

Attachment

- [nis-go-deeper-format.xls](#)
- [example-nis-go-deeper-format.xls](#)

Invio NIS Shopping List

Dear Mr. Cacciamurt

As requested, I attach NIS shopping list.

You can use attached shopping list for emitting purchase order.

If you have any questions, don't hesitate to call me.

Best Regards Myname

Attachment

File Pdf Shopping List.

Richiesta MAC-ADDRESS PLC

Attachment

Requesting IP-ADDRESSING

Attachment