

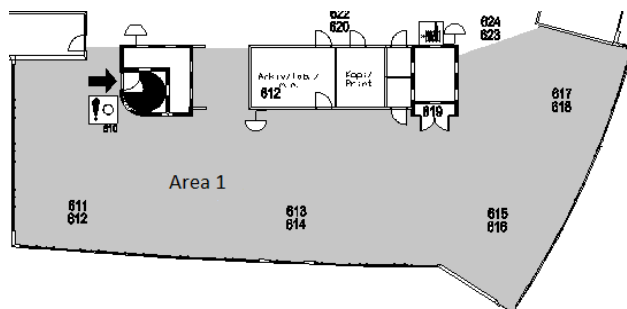
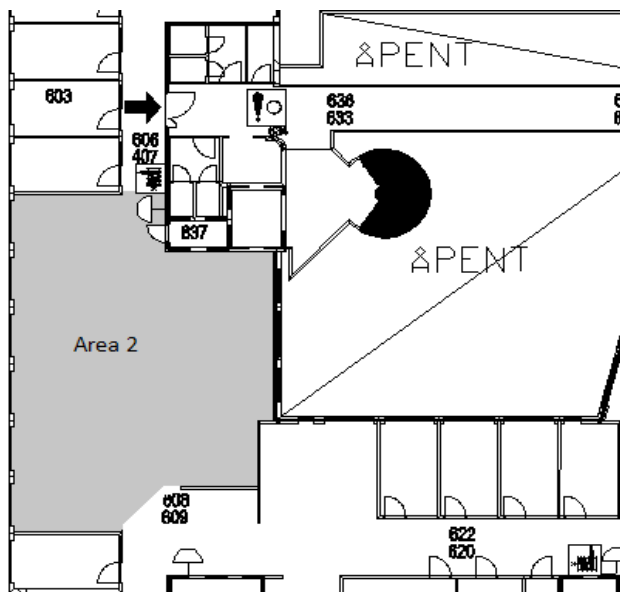
Questionnaire

This questionnaire is part of a master degree study of the acoustical environment in the open plan office at Nordic Semiconductor.

Please mark the boxes which applies to your answer

1. Background:

1.1 Please select the open plan office where your workstation is placed (Area 1 or area 2) :

☐☐

1.2 Age:

<25 years

☐

25-35 years

☐

35-45 years

☐

45-55 years

☐

>55 years

☐

1.3 In which kind of work environment have you been working in before you started working at Nordic Semiconductor?

- Single office.....☐
Sharing office with 2-4 persons☐
Open-plan office.....☐
None.....☐
Others.....☐

If you have marked «Others», please specify.....

1.4 Do you suffer from any kind of hearing disability?

- Yes No
☐ ☐

1.5 If you have answered «Yes» on question 1.4, what kind of hearing disability are you suffering from?

- Tinnitus.....☐
Hypersensitivity to sound.....☐
Others.....☐

If you have marked «Others», please specify.....

2. Work

2.1 How long have you been an employee at Nordic Semiconductor?

- <1 year 1-5 years 5-10 years 10-15 years >15 years
☐ ☐ ☐ ☐ ☐

2.2 What level of concentration do you need to perform your work task?

- High degree of concentration Some concentration No concentration
☐ ☐ ☐

2.3 How many hours an average do you work a week?

- <30 hours 30-40 hours 40-50 hours 50-60 hours >60 hours
☐ ☐ ☐ ☐ ☐

2.4 In which degree do you feel like you have a good social connection with your work colleagues?

Very good	Good	Neither good nor bad	Bad
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.5 In what kind of degree do you feel like your work colleagues help you solving work related problems?

Very helpful	Helpful	No help at all
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.6 What percentage of your time do you spend solving work related problems in:

Groups.....%
By yourself.....%

2.7 How far is your workstation from colleagues you need to communicate with to perform your work?

<1 meter	1-2meters	2-4meters	>4meters
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.8 Do you use the designated offices or the break room (coffee rom) when you need to talk to your colleagues?

Never	Rarely	Sometimes	Quite often	All the time
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.9 How often do you talk to your colleagues during working hours in the open plan office?

Never	Rarely	Sometimes	Quite often	All the time
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.10 How often do you have work related phonecalls?

Never	Rarely	Sometimes	Quite often	All the time
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.11 Do you use the designated offices or the breakroom to talk in the phone?

Never	Rarely	Sometimes	Quite often	All the time
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.12 Where do you eat your lunch?

Breakroom.....☐
Canteen.....☐
Workstation.....☐
Other place.....☐

If you have marked «Other place», please specify.....

3. Acoustic environment

3.1 What kind of sounds can you hear during work hours?

3.1.1 Ventilation/air condition:

Can't hear it at all.....☐
Can barely hear it.....☐
Can hear to some degree....☐
Can hear quite much.....☐
Can hear very much.....☐

3.1.2 External traffic noise:

Can't hear it at all.....☐
Can barely hear it.....☐
Can hear to some degree....☐
Can hear quite much.....☐
Can hear very much.....☐

3.1.3 Computer noise:

- Can't hear it at all.....☐
- Can barely hear it.....☐
- Can hear to some degree....☐
- Can hear quite much.....☐
- Can hear very much.....☐

3.1.4 Noise from the lightning fixture:

- Can't hear it at all.....☐
- Can barely hear it.....☐
- Can hear to some degree....☐
- Can hear quite much.....☐
- Can hear very much.....☐

3.1.5 Vibration or sound of a phone:

- Can't hear it at all.....☐
- Can barely hear it.....☐
- Can hear to some degree....☐
- Can hear quite much.....☐
- Can hear very much.....☐

3.1.6 Colleagues talking in the phone:

- Can't hear it at all.....☐
- Can barely hear it.....☐
- Can hear to some degree....☐
- Can hear quite much.....☐
- Can hear very much.....☐

3.1.7 Colleagues talking with other colleagues in the open plan office:

- Can't hear it at all.....☐
- Can barely hear it.....☐
- Can hear to some degree....☐
- Can hear quite much.....☐
- Can hear very much.....☐

3.1.8 Colleagues talking with other colleagues in the **other** open plan office:

- Can't hear it at all.....☐
- Can barely hear it.....☐
- Can hear to some degree....☐
- Can hear quite much.....☐
- Can hear very much.....☐

3.1.9 Noise from the breakroom:

- Can't hear it at all.....☐
- Can barely hear it.....☐
- Can hear to some degree....☐
- Can hear quite much.....☐
- Can hear very much.....☐

3.1.10 Noise from footsteps:

- Can't hear it at all.....☐
- Can barely hear it.....☐
- Can hear to some degree....☐
- Can hear quite much.....☐
- Can hear very much.....☐

3.2 How do you consider the acoustic environment from a general point of view?

- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Very Good | Good | Neither good nor bad | Bad | Very Bad |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3.3 In which degree do the following disturb you during working hours?

3.3.1 Ventilation/air condition

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.3.2 External traffic noise

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.3.3 Computer noise

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.3.4 Noise from the lightning fixture

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.3.5 Vibration or sound of a phone

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.3.6 Colleagues talking in the phone

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.3.7 Colleagues talking with other colleagues in the open plan office

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.3.8 Colleagues talking with other colleagues in the **other** open plan office

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.3.9 Noise from the breakroom

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.3.10 Colleagues walking/passing by in the open plan office

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.3.11 Noise from footsteps

- Not disturbing at all.....☐
- A bit disturbing.....☐
- Disturbing to some degree.....☐
- It's quite disturbing.....☐
- Very disturbing.....☐

3.4 What kind of work related tasks are disturbed by the factors mentioned in the question 3.3?

None.....☐
Phonecalls.....☐
Conversations with colleagues.....☐
Reading.....☐
Computer programming.....☐
Troubleshooting during computer programming...☐
Others.....☐

If you have marked «Others», please specify.....

3.5 Are there any sound sources you could turn off or regulate to improve the acoustical environment?

Yes No
☐ ☐

If «Yes», please specify.....

3.6 How well is your workstation screened off regarding conversation over telephone?

Very badly Badly Neither well nor badly Well Very well
☐ ☐ ☐ ☐ ☐

3.7 To what extent will colleagues' conversation over telephone have a negative impact on the possibility of accomplishing your task?

Very great Great To some degree Small Not at all
☐ ☐ ☐ ☐ ☐

3.8 How well is your workstation screened off regarding conversations between colleagues?

Very badly Badly Neither well nor badly Well Very well
☐ ☐ ☐ ☐ ☐

3.9 To what extent will conversations between colleagues have a negative impact on the possibility of accomplishing your task?

Very great Great To some degree Small Not at all
☐ ☐ ☐ ☐ ☐

3.10 How well is your workstation screened off regarding people passing by?

Very badly	Badly	Neither well nor badly	Well	Very well
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.11 To what extent will people passing by have a negative impact on the possibility of accomplishing your task?

Very great	Great	To some degree	Small	Not at all
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.12 Do you use headphones, ear plugs or music to cancel noise at work?

Yes	No
<input type="checkbox"/>	<input type="checkbox"/>

3.13 Are there any rules or has it been given any information about how you should act to avoid disturbing your colleagues?

Yes	No
<input type="checkbox"/>	<input type="checkbox"/>

If «Yes», please specify.....

3.14 Do you have a sensation of disturbing your colleagues when you are:

3.14.1 Talking in the phone

Yes	No	Sometimes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.14.2 Having a conversation with some of your colleagues

Yes	No	Sometimes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.14.3 Walking and passing by their workstations

Yes	No	Sometimes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3.15 What do you do to prevent disturbing your colleagues?

- Don't think about it.....☐
- Turn off the ringtone on the phone.....☐
- Use soft shoes or slippers.....☐
- Lower the voice during conversations.....☐
- Use the breakroom or designated offices for phone calls.....☐
- Something else.....☐

If you have marked «Something else», please specify.....

3.16 If you could choose your work environment, would you like to work in
a/an:

- Single office☐
- Sharing office with 2-4 persons.....☐
- Open-plan office.....☐
- Other.....☐

If you have marked «Other», please specify.....

THANK YOU!