

Facilitator Guidelines

About the Trust Lens Toolkit

Many organisations are interested in the way that IoT technology can be used in public spaces to solve problems or provide opportunities for new benefits to society. For example, smart street lights which only turn on when they are needed, or a network of sensors that provide data on air quality.

There are many questions that need to be considered in such deployments to make sure that the technology is being used to everyone's benefit. Potential problems such as privacy risks must be understood and mitigated, and information should be available to those who might wish to understand the system, such as members of the public.

We have developed a toolkit to help facilitate a conversation between those creating or assessing deployments, to help them in this process. It can be used by a variety of types of organisation, and different representatives within these organisations, consider where you might need to seek additional information.

Facilitating a Workshop

This toolkit is designed to help facilitate a workshop looking in detail at a planned or current IoT deployment. One or more people will need to take on the role of facilitator, preparing the workshop, inviting the right people and leading the group through the process.

These guidelines offer facilitators suggestions and advice on how to use the toolkit, and how to run the workshop itself, split across 4 sections:

- Preparing the workshop
- Running the workshop
- Example Responses to Questions
- Creating a Summary Report

If you plan on using these tools, please review these guidelines in advance and ensure you have everything needed to run a successful workshop using these tools.

The Toolkit Website

You can customise and download materials from this toolkit via our website:

lancaster.ac.uk/trustlens

Share your feedback

Once you've used these tools, please let us know about your experience: <u>lancaster.ac.uk/trustlens/feedback</u>







Preparing the Workshop

Some things to think about when preparing to facilitate a workshop using this toolkit.

This isn't set in stone, just a starting point for your plan.

People to invite

The questions in this toolkit are designed to examine an IoT deployment from all sides. You will need a good mix of people involved in the workshop. Ideally this would include:

- ManagersTechnical Experts
- Operational
- End users

We think 6-8 people is about right.

Time and space

As a facilitator, you will need to provide the time and the space for proper discussions about the questions in this toolkit.

Whether online or in-person, expect to spend at half a day on a workshop of this kind.

Tea and coffee is likey to be needed.

Work on Paper or Digitally

During a workshop the materials in this toolkit can be used on paper, or they can be used on a laptop/tablet. Pick an approach best for you the facilitator and the people at the workshop.

Miro & More



- The questions in this toolkit can work with many online collaborative apps, like Google Docs, Office 365 and Miro.
- You'll find a link to our Miro template on the toolkit website.
- Create a one or more shared documents and get people connected to them for the workshop.

Powerpoint / Open Office

- Download in Powerpoint format.
- You will have one presentation file per Big Question in the toolkit.
- Some people at the workshop will need to edit these files to record discussions. Make sure the files are successfully shared before the workshop starts.
- At the end of the workshop, collect the edited files.

Paper

- Download in Powerpoint format.
- You will have one file per Big Question in the toolkit, each containing 10-25 questions.

- Print each pack and staple/bind them together. A4 or A3 paper works well.
- Provide pens and sticky notes for people to use.

Whichever method you choose, make sure you test it in advance and let people at the workshop know what to do.

Review and Filter the questions

This tooklit contains 226 questions in total, and not all will be relevant to every IoT project. Pick the ones needed in your workshop.

Filter by Project Stage



- The tooklit website allows you to filter based on how developed your project is, from scoping to full operation.
- Choose the relevant phases when you download these tools.



- The questions are organised under 15 Big Questions, each with a distinct topic.
- Review these, before or during the workshop, and set aside the irrelevant ones.

Running the Workshop

A suggested process for what to do during a workshop using this toolkit.

This isn't set in stone, just a starting point for your plan. Set the Scene and Scope • All of the questions are about a particular IoT deployment a current or future project • Even if everyone at the workshop knows this project under discussion, a scene-setting presentation is a good way to start. Provide an example • You need to show people how you want each question answered. A good example at the start with a bit of discussion should help everyone get started. See the next page of this guidelines for examples. Get on with the work • Be on hand to answer queries about the process · Set a time schedule and provide breaks Move on to the next Big Question • Coffee may be required! **Review and Summarise** • Periodically, review progress with everyone · If you've split into groups, each group can report on progress • When all the questions under a Big Question are answered, ask people to create a summary what they've found so far (and what else needs to be found out). Wrap up & Document • When you reach the end of the workshop, review overall progress with everyone

• Collect the materials you've produced and review them to ensure they are a good record of the workshop.

Plan next steps

- If you have unresolved questions, you may need to organise further workshops
- Consider if you should invite new people or keep the team the same.

Facilitator Guidelines

Example Responses to Questions

The examples you show to people at the workshop will make a huge difference to the work they do.

Here are some examples you might show.

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Capturing answers and ideas

- Some questions will have a single, simple answer.
- Many will have several answers.
- Hopefully some questions will lead to new insights and ideas.
- Encourage people to note down everything they can from their discussion about each question.

Marking Questions

- You can track resolved and unresolved questions as you go.
- Knowing which questions you can't answer can be just as helpful as those you can.
- In Powerpoint, OpenOffice or Miro, they can slide the question card to the left or right to mark questions.
- If working on paper, you can create piles to gather the resolved and unresolved questions.



Facilitator Guidelines

Special Questions

Some questions in this toolkit are different from others, so be aware these will appear in a few places.



Filter Questions

- The first question within 3 of the Big Question packs is a filter question.
- These allow people at the workshop to rule out all the questions within a Big Question if they aren't relevant.
- As facilitator, you may want to exclude Big Questions in advance of the workshop if they don't apply to the deployment you are focussing on.

Repeating Cards

- The last question within the 'What will the sensors do?' Big Question pack is special.
- It needs to be duplicated and completed for each sensor property.
- People at the workshop may need a little bit of extra help with this.

Add your own questions

The tooklit website provides templates to allow you to create your own questions and add them to the workshop.

- Download the templates in Powerpoint format.
- Edit in the templates and create PPTX, PDF or JPEG files.
- Add these to your workshop materials.
- Consider adding them to a fork of this project on Github.

Creating a Summary Report

This toolkit contains templates to help you combine and summarise the outcomes of the workshop.

| Big Question | Trust Lens Toolkit Summary Report |
|--|--------------------------------------|
| | |
| What is the | |
| scope and | |
| scale of the | |
| deployment? | |
| | |
| | |
| What other projects are currently | |
| happening in the same space? | |
| (physical or conceptual) | |
| s there a set end point for the | |
| deployment? | |
| What is the procedure for installing each device? | |
| | |
| s the deployment in public space, private space or semi-public space? | |
| | |
| Who decides where devices are ocated? Is any bias involved in this? | |
| · · · · · · · · · · · · · · · · · · · | |
| How long will the trial last? | |
| What is the scale of the project? | |
| | |
| Does the roll out happen all at once | |
| or gradually? | |
| How easy is it to scale the | |
| deployment? | |
| s the deployment specific to a | |
| particular location? | |
| Can processes be exported to other | |
| ocations? | |
| n what region has the system been | |
| deployed? | |
| Will the deployment be evaluated | |
| | |
| How will the deployment be evaluated? | |
| What happens to the equipment | |
| after the deployment? | |
| | |
| | |

The Report Template

• Templates are available in Word format



- The templates comes pre-loaded with all the questions you've download from the website.
- Add project titles and dates to the header of the document so it appears on all pages.

Exporting from Powerpoint

If you use Powerpoint, there is a shortcut for extracting all of the text added to the main 'Notes and answers' text box on each slide.

- Choose 'Outline View' from the View menu
- Select all of the text in the Outline
- Copy-paste to another application.

Exporting from Miro

5

If you use this toolkit with Miro (see website for a template) then you can export all material from the board easily.

- Select 'Save as PDF' for a single document with all questions and responses.
- Select 'Export to spreadsheet' to download just the text in a CSV file.

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