

## FOR PARTICIPANTS

# Deep-Dive Session “AI Optics for Technological Sovereignty”

28 August · 10:00-11:30 Moscow time

Why this meeting is important

The 28 August session is designed to help you understand what AI Optics is, try it yourself in practice, and come to the in-person workshop on 9 September already prepared - with hands-on experience using the tool and with your own real-world task.

In simple terms: what is AI Optics?

AI Optics is a file containing a domain-specific analytical framework. You attach it to your prompt in the AI model you normally use. It helps the model look at the task differently: identify dependencies, critical conditions, risks, missing data, and possible actions. The AI model itself remains the same - what changes is the way the task is analyzed.

## The session will be practical

You will work in the AI model you normally use and test AI Optics twice: first on a test case and then on your own real-world task. You will ask the same question without AI Optics and with AI Optics; the answers will then be automatically compared and discussed.

We will not work with abstract questions about technology, but with situations in which a decision needs to be made: whether to launch an industrial pilot; which partner to choose for a project; what conditions to include in a contract; what needs to be localized; where in-house expertise is required; what laboratory or testing infrastructure should be created; and which technologies or skills are critical for an industry.

## What you need to prepare in advance

**IMPORTANT:** everything listed below must be prepared by EACH participant registered for the deep dive.

If several people from one organization are joining the session, each participant must have their own laptop, access to an AI model, and their own work-related task.

- A laptop and working access to at least one AI model.
- The AI Optics file. The organizers will send it in advance. You do not need to study the file before the session.
- One real practical task that you or your organization is actually working on.

**For example:**

- assess whether it is worth launching a technology project or pilot production line;
- understand what is preventing a transition from laboratory development to serial production;
- select a technology partner and determine which rights to the technology, data, equipment repair, or development results need to be retained;
- identify which components, equipment, software, specialists, or testing facilities are critical;
- build an international consortium or joint laboratory and determine what each party should contribute;
- prepare an industry roadmap - for example, for energy, photonics, industrial AI, autonomous systems, or engineering workforce development.
- A short factual case description for your task: what the project or problem is, who is involved, what already exists, what is missing, the timelines, constraints, partners, and possible solutions.

It is important to distinguish between the two: the task is the decision you need to make; the case is the factual information on which the AI will base its analysis of that decision.

Do not use confidential or sensitive data in publicly available AI models.

## What we will do during the session

10:00-10:15 - Understand AI Optics. The facilitator will briefly show what AI Optics is, how to upload it into a regular AI model, and how to compare results. First, you will ask a question without the Optics; then you will ask the same question about the same case, but with AI Optics.

10:15-10:50 - Try the tool on a test case. You will receive a short situation close to real-world practice: an industrial project, energy infrastructure, an international technology consortium, commercialization of a development, a specialist training program, or another type of task.

For example, you may need to decide whether production can be launched despite dependence on external equipment; whether to agree to an exclusive license; how to distribute technologies and rights between countries in a joint project; or what tests need to be conducted before scaling up.

You will receive two answers - without AI Optics and with AI Optics. An automated interface will compare them, after which we will discuss whether a new project condition, critical dependency, risk, required verification, or specific action has emerged.

10:50-11:30 - Apply AI Optics to your own task. You will repeat the same cycle with your real-world case.

The key question here is not "Is the AI answer better written?", but rather: did it help you make a better-grounded decision?

For example, did it reveal that before launching the project you need to verify the technology's service life; change the terms of a service agreement; secure the right to repair equipment independently; find a second supplier; conduct testing; build an engineering team; involve a university or industrial partner; or redesign the terms of international cooperation?

## What you can take away from the session

For your own task, the goal is to obtain four simple answers:

**What did I see differently?**

**Did the decision, or the conditions for making it, change?**

**What exactly do I need to verify - a calculation, test, technology, contract, supplier, rights, or data?**

**Which partner, technology, capability, or infrastructure do I need for the next step?**

The main point:

You do not need to study the entire technological sovereignty methodology in advance. Come with a real task, the relevant facts, and be ready to test whether AI Optics helps you take the next practical step. The result of this work will serve as preparation for the in-person workshop on 9 September.