



Fraunhofer

INT

FRAUNHOFER INSTITUTE FOR
TECHNOLOGICAL TREND ANALYSIS

PUBLIC TECHNOLOGY AND INNOVATION PLANNING



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WHY STRATEGIC TECHNOLOGY AND INNOVATION PLANNING IN CIVIL SECURITY?

Climate disasters, political extremism and organized crime are just a few of the challenges that public agencies and organizations have to face today. To effectively deal with the constantly changing nature of threats, our clients have to continuously assess their current capabilities and identify future needs. This analysis needs to include a review of research and innovation (R&I) developments. However, the rapid pace of technological and non-technological developments severely limits the ability of organizations to remain up-to-date and impedes the acquisition and integration of novel solutions. This challenge of identifying and integrating innovative solutions is aggravated at European and international levels due to non-aligned national regulations and standards as well as the interests of an ever growing number of stakeholders.

TIP helps its clients by identifying their current and future capability needs, analysing the innovation climate, and developing tailor-made R&I strategies. We empower organizations to meet future challenges head on to fulfil their role as guardians of society.



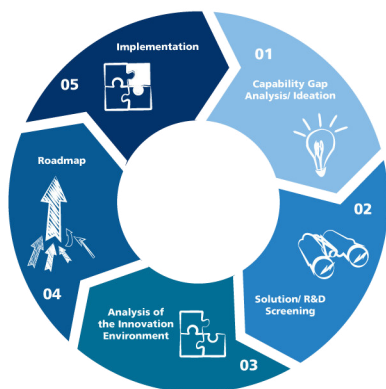
WHY WORK WITH US?

When was the last time that your organization successfully implemented a technical or social innovation? If you have no clear answer or are uncertain about which specific innovations will pay off for your organization, INT's approach to technology and innovation planning can help you.

- We analyse your current and future needs for innovative solutions.
- We identify and assess possible emerging or market-ready solutions.
- We do not only consider the technical dimension, but also advise you on (social) acceptance and further societal and political issues.
- We develop roadmaps and lists of other necessary activities for the step-by-step development and implementation of suitable solutions.

OUR RANGE

The business unit TIP (Public Technology and Innovation Planning) provides innovation management tools for public sector organizations. The innovation management portfolio, which includes understanding future needs, identifying state-of-the-art and future solutions and facilitating their implementation, ensures that our clients are able to successfully meet their current and future demands.



OUR APPROACH?

- Identifying and analyzing the needs of public organizations.
- Analyzing trends and developments in critical and emerging technologies.
- Bibliometric and statistical analyses (e. g. actors and influencing factors).
- Producing research roadmaps and best practice recommendations.
- Developing indicators to be used in demonstrations and pilots to assess the performance of solutions.
- Employing participatory methods such as interviews, surveys and interactive workshops.
- Concept development for contextually structuring security and society (societal security, resilience).
- Tailor made tools for implementing innovative security solutions for organizations with security tasks.

EXPERIENCE

For more than 40 years, Fraunhofer INT has advised the Federal Ministry of Defence on strategic research planning. In the course of time, INT has broadened this expertise to include the civilian sector as well. As a result, Fraunhofer INT is meanwhile also well connected within the security research community; in innovation planning we act as an interface between provider and end-user.

ABOUT THE INSTITUTE

The Fraunhofer Institute for Technological Trend Analysis INT provides scientifically sound assessments and counseling on the entire spectrum of technological developments. On this basis, the Institute conducts Technology Forecasting, making possible a long-term approach to strategic research planning. Fraunhofer INT constantly applies this competence in projects tailor-made for our clients.

Over and above these skills, we run our own experimental and theoretical research on the effects of ionizing and electromagnetic radiation on electronic components, as well as on radiation detection systems. To this end, INT is equipped with the latest measurement technology. Our main laboratory and large-scale appliances are radiation sources, electromagnetic simulation facilities and detector systems that cannot be found in this combination in any other civilian body in Germany.

For more than 40 years, INT has been a reliable partner for the Federal German Ministry of Defense, which it advises in close cooperation and for which it carries out research in technology analysis and strategic planning as well as radiation effects. INT also successfully advises and conducts research for domestic and international civilian clients: both public bodies and industry, from SMEs to DAX 30 companies.



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