



*HORIZON-CL4-2022-DIGITAL-EMERGING-02-17 – New generation of advanced electronic and photonic 2D materials-based devices, systems and sensors*

# Next-2Digits

## The next generation of sensors and imagers enabled by 2D materials digital integration

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Duration: 39 months

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### = Deliverable D6.3 =

### Initial Communication kit (website, factsheet, flyer, etc.)

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## Next-2Digits

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## Next-2Digits

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### Executive Summary

The Next-2Digits communication kit has been developed in order to increase public awareness of the Next-2Digits project and also how to create sustainable electronics. This deliverable shows the initial communication materials that have been developed, the project factsheet, project flyer/leaflet and the project website.

The content of the Next-2Digits website, [www.next-2digit.eu](http://www.next-2digit.eu), is public and the project information has been online since January 2024. The Next-2Digits website will be actively maintained and updated throughout the project.

## Next-2Digits

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## Next-2Digits

## 1. Introduction

The deliverable D6.3 is associated with task T6.1 – “Dissemination and Communication activities”. The objective of this task is to ensure that the results of the project will be disseminated to the European research and industrial community, will target all important stakeholders, and will assure an ongoing communication flow with the general public, scientific community, technicians, experts, media, policymakers, industries, and end-users.

The task also includes the creation of a dedicated website for the project, presenting comprehensive information about the project in a visual and interactive way. This public website was created at the beginning of the project and will be actively maintained during the whole implementation of the project. The creation of promotional materials is planned, in order to distribute them widely in all key events. Finally, social media will also be used to reach a broader audience.

The Next-2Digits social media channels have been operational since November 2023. The Next-2Digits website has been operational since January 2024.

## 2. Next-2Digits Website

The domain <https://next-2digits.eu/> has been procured for use by the project Next-2Digits. The website has been created in open-source software called WordPress. WordPress started as a blogging system but has evolved to be used as a full content management system that is completely customisable and can be used for almost anything within the field of web design, with a variety of functional plug-ins. This allows for fast and reliable customization and a user-friendly back-end environment, accelerating any potential request for updates and modifications- All individual pages of the website include a header with the project logo and a navigation menu allowing for quick access to any part of the website and all other communication channels of the project, as well as a footer with contact information, recognition of EU funding and collaboration with the Graphene Flagship CSA project. Below a screenshot of the website is shown.

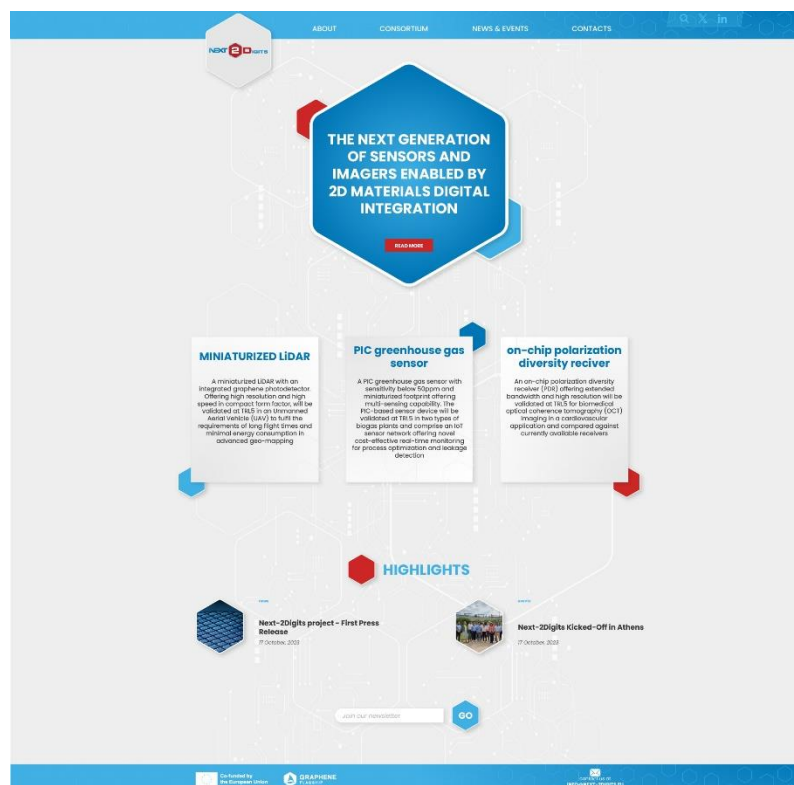


Figure 1: A screenshot of the landing page of the Next-2Digits website

## Next-2Digits

The homepage is designed to briefly introduce the main innovations of Next-2Digits and the selected applications, highlighting the project’s potential for impact. Furthermore, the most recent project news, such as events, interviews, conferences, etc. will also be featured on the home page, giving an instantaneous insight into the progress of the project.

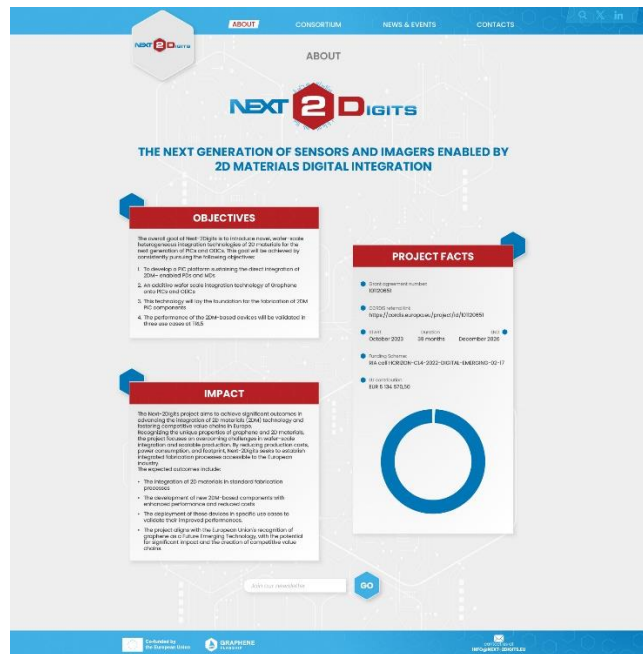


Figure 2: Screenshot of the About pages of the Next-2Digits website

The website includes information on the project’s mission and main objectives, developed technologies, and the expected impact. It also gives information about the partners, their expertise, and their role in the project. All media materials, results, and publications will be also referenced on the website and available for download.



Figure 3: Screenshot of the Consortium page of the Next-2Digits website

Next-2Digits

Additionally, the website encourages the users to sign-up for a dedicated newsletter. This will enable the creation of a useful contact database to share project news and updates, creating a pool of potential users or early adopters of the technology.

Finally, the contact section will allow all interested parties to contact the Project Manager and Project Coordinator and get more insight into the project activities or to establish potential cooperation.

2.1. Next-2Digits Visual Identity

The Next-2Digits website was created based on a visual identity for the project. This visual or brand identity was inspired by both the material innovations of the project (hexagonal shape of graphene) and its applications (printed circuit board), with the goal of serving as a unification link between all the communication channels and efforts in the project. In Annex I, a brand identity guideline that was shared with the partners is shown.

2.2. Further Development of the Next-2Digits Website

Additional information will be published throughout the lifetime of the project, as mentioned above. Beyond the regular updates and publication of news and results, further optimization of the website and its content will ensure improved ranking on the search engine results pages for relevant keywords and thus improving the quality and quantity of website traffic.

3. Social Media Channels

Templates for social media content have been created along with the visual identity of the LinkedIn and Twitter accounts. More details on how this content will be used will be shared in the D6.1 Plan for dissemination and communication activities, due on M6 of the project (March 2024).

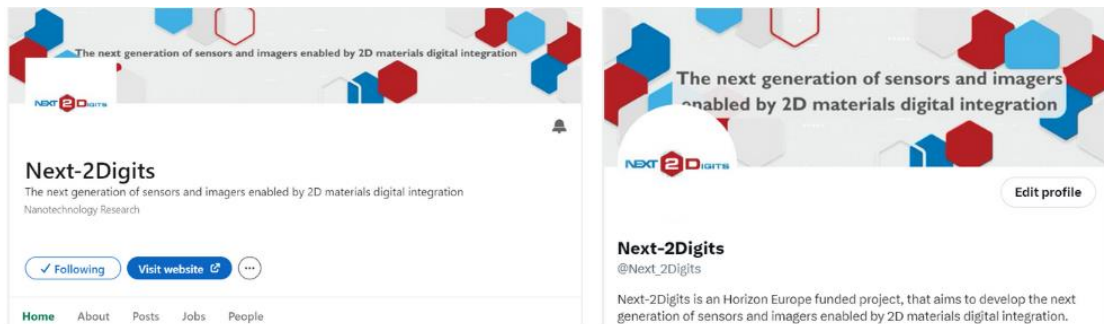


Figure 4: LinkedIn and Twitter social media channels



Figure 5: Next-2Digits Social Media Post Template



Next-2Digits

4. Other Dissemination Materials

Apart from the project website, two other dissemination materials have been developed, a project factsheet and a project flyer.

4.1. Next-2Digits Factsheet

The project fact sheet consists of two pages and summarises the most important messages of the project for a scientific and professional audience. A screenshot is given below.

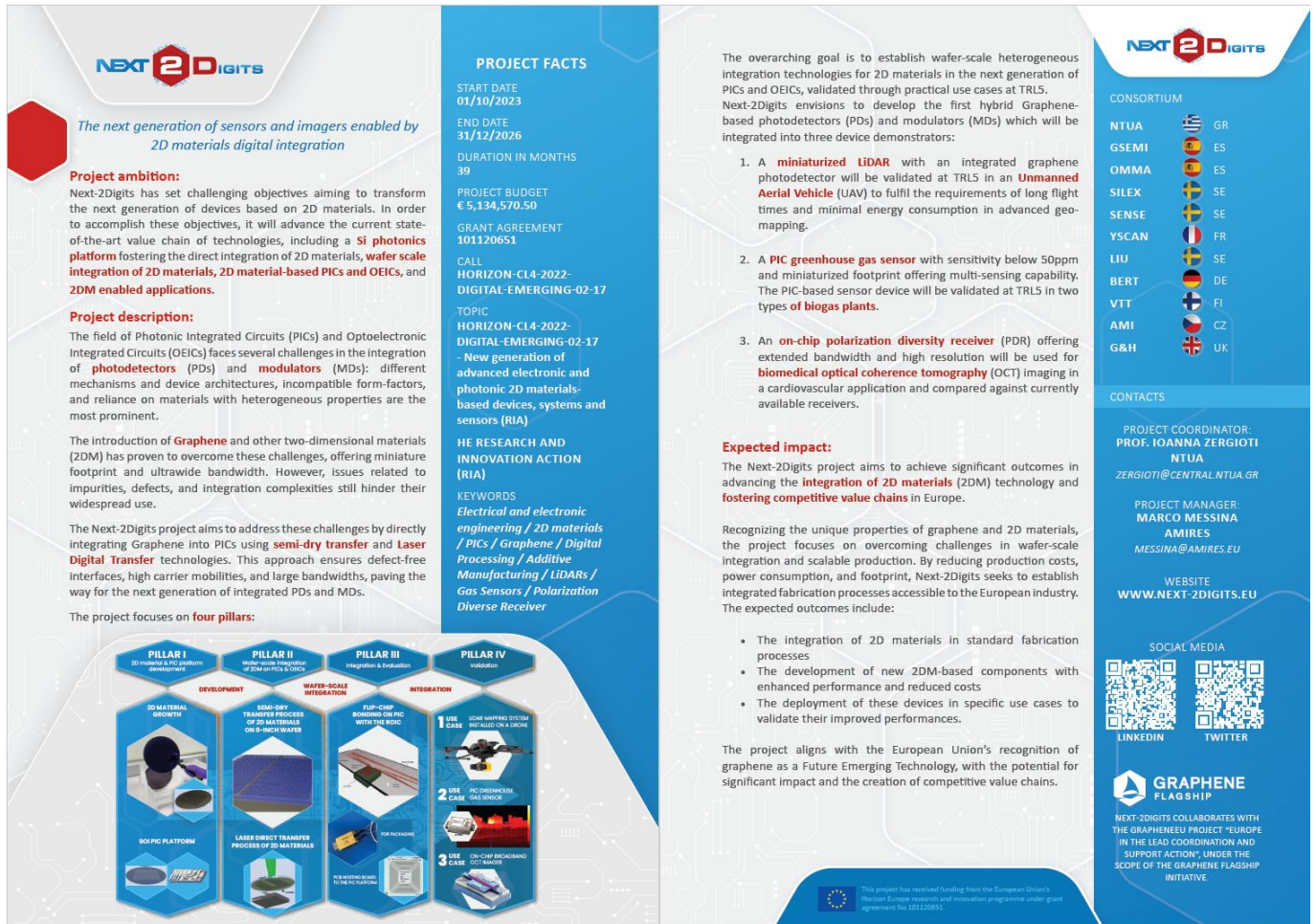


Figure 6: Next-2Digits Factsheet

4.2. Next-2Digits Flyer

The project flyer (or leaflet) gives a short overview of key objectives and activities and will be used to communicate the main messages to a wider audience. A screenshot is given below.



## Next-2Digits



**NEXT 2 DIGITS**

*The next generation of sensors and imagers enabled by 2D materials digital integration*

Next-2Digits is an ambitious project aiming to revolutionize the next generation of devices by harnessing the potential of 2D materials. The project focuses on overcoming the challenges related to **Photonic Integrated Circuits (PICs)** and **Optoelectronic Integrated Circuits (OEICs)**, specifically in the integration of **photodetectors (PDs)** and **modulators (MDs)**. In Next-2Digits, Graphene becomes the driving force behind the development of 3 use cases.

- A LiDAR-equipped drone, compact, reliable, and cost-effective, that can map with high precision the surrounding environment.
- Greenhouse gas sensors that can provide real-time and accurate data on emissions in biogas plants, aiming towards sustainability and energy efficiency.
- An on-chip Polarization Diversity Receiver for optical coherence tomography, enhancing biomedical (and more specifically, cardiovascular) screening resolution and reliability.

Next-2Digits innovative work will contribute to the fields of sustainable and efficient environmental monitoring and medical diagnostics.

[WWW.NEXT-2DIGITS.EU](http://WWW.NEXT-2DIGITS.EU)

**NEXT 2 DIGITS**

**Get in touch to find out more about Next-2Digits technology and material innovations!**

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Duration: 39 months  
Total Cost/ EU Funding: €5.1M

**WEBSITE**

[WWW.NEXT-2DIGITS.EU](http://WWW.NEXT-2DIGITS.EU)

**PARTNERS**

Co-funded by the European Union

**GRAPHENE FLAGSHIP**

Figure 7: Next-2Digits Flyer

## 5. Conclusions

The Next-2Digits project website <https://next-2digits.eu/> has been set up. It will continue to be improved and regularly updated. The main objective of the website is to increase public awareness of Next-2Digits and 2D-material innovations for optoelectronic and sensor applications. It will be also used to disseminate the project's results. Basic information on the project can be found on the webpage as well as public deliverables and project outcomes and publications.

Other communication materials, factsheet and leaflet, will be used to advertise the project to wider audiences on industrial fairs and meetings, as well as at conferences and other scientific events with the aim to establish initial interest and contact with a range of stakeholders.

## 6. Degree of Progress

The deliverable is 100% fulfilled. The maintenance of the website will be carried out during the whole course of the project. The project flyer and project factsheet will also be adapted in case of major changes. It is also expected that more materials will be created to cover all online and offline communication needs (i.e., roll-up, brochure, etc).

## Next-2Digits

### 7. Dissemination level

The deliverable D6.3 is Public.

### 8. Annexe I – Brand Identity Guideline

**MAIN LOGO** | The primary emblem of the project



**THE NEXT GENERATION OF SENSORS AND IMAGERS  
ENABLED BY 2D MATERIALS DIGITAL INTEGRATION**

**LOGO VARIATIONS** | Designed for use in varied applications



**COLOR PALETTE**

