



## **MASS manufacturing of TrAnsceiverRs for Terabit/s era**

### **Deliverable D7.2 Website development and creation of social accounts**

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**Author List:**

Organization	Author
Fraunhofer IZM	B. Sirbu

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**Abstract:** This document contains the description of the project's website ([www.masstart.eu](http://www.masstart.eu)), which was launched in M02. In addition, the established social media pages which will act as complementary dissemination and outreach tools.

**Keywords:** website, social media accounts, dissemination.

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# 1 Executive Summary

The website of the MASSTART project has been designed, developed and launched in February 2019, and it can be found at <http://www.masstart.eu>.

The key features of the website are:

The Home page, which shows an overview of the project, latest news as well as links to the social media pages of MASSTART

The About page, which provides an overview of the main demonstrators developed in the project

The Objectives page, which presents the main objectives of the project.

The Consortium page, which presents the MASSTART consortium partners.

The Documents page, where all the downloadable files such as fact sheets, press releases and public deliverables will be available for download.

The News and Events pages, which present the latest news of the project and events that are related to the project.

Finally, this document presents information regarding the established social media pages of the MASSTART project.

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## **2 Introduction**

### ***2.1 Purpose of this document***

The objective of this deliverable is to present the MASSTART website and social media accounts. The main requirements of the website were:

1. An attractive, user-friendly and professional design
2. Easy access to the key project information that is related to the project objectives and work packages
3. A comprehensive presentation of the project consortium, by using links to each partner's webpage
4. Links to the project's social media pages
5. A detailed "contact" page
6. Ability to update the website's content

The MASSTART project has also established accounts in popular social media services, such as Twitter and LinkedIn.

### ***2.2 Document structure***

The present deliverable is split into two major chapters:

- ❖ Project website
- ❖ Project social media accounts

### ***2.3 Audience***

This document is public.

### 3 Project Website

The design of MASSTART' website gives a modern feel and ease of access for its various pages. The key features include:

- ✓ The entire content of the website is accessible from every page
- ✓ Links to the social media pages are provided
- ✓ News and events pages to keep users up to date with the latest project developments
- ✓ A "communication kit" in order to present useful information regarding the MASSTART project
- ✓ Project information, such as project objectives and work packages
- ✓ Project consortium
- ✓ Contact information

The website content includes:

A header (same for each page, always visible)

Homepage (Figure 1)

The "About" page (Figure 2)

The "Objectives" page (Figure 3)

The "Consortium" page (Figure 4)

The "Documents" page (Figure 5)

The "News" page (Figure 6)

A Footer (Figure 7) same for each page where shortcuts to all relevant pages are included, contact info and links to the Imprint (Figure 8) as well as to the Privacy policy (Figure 9).



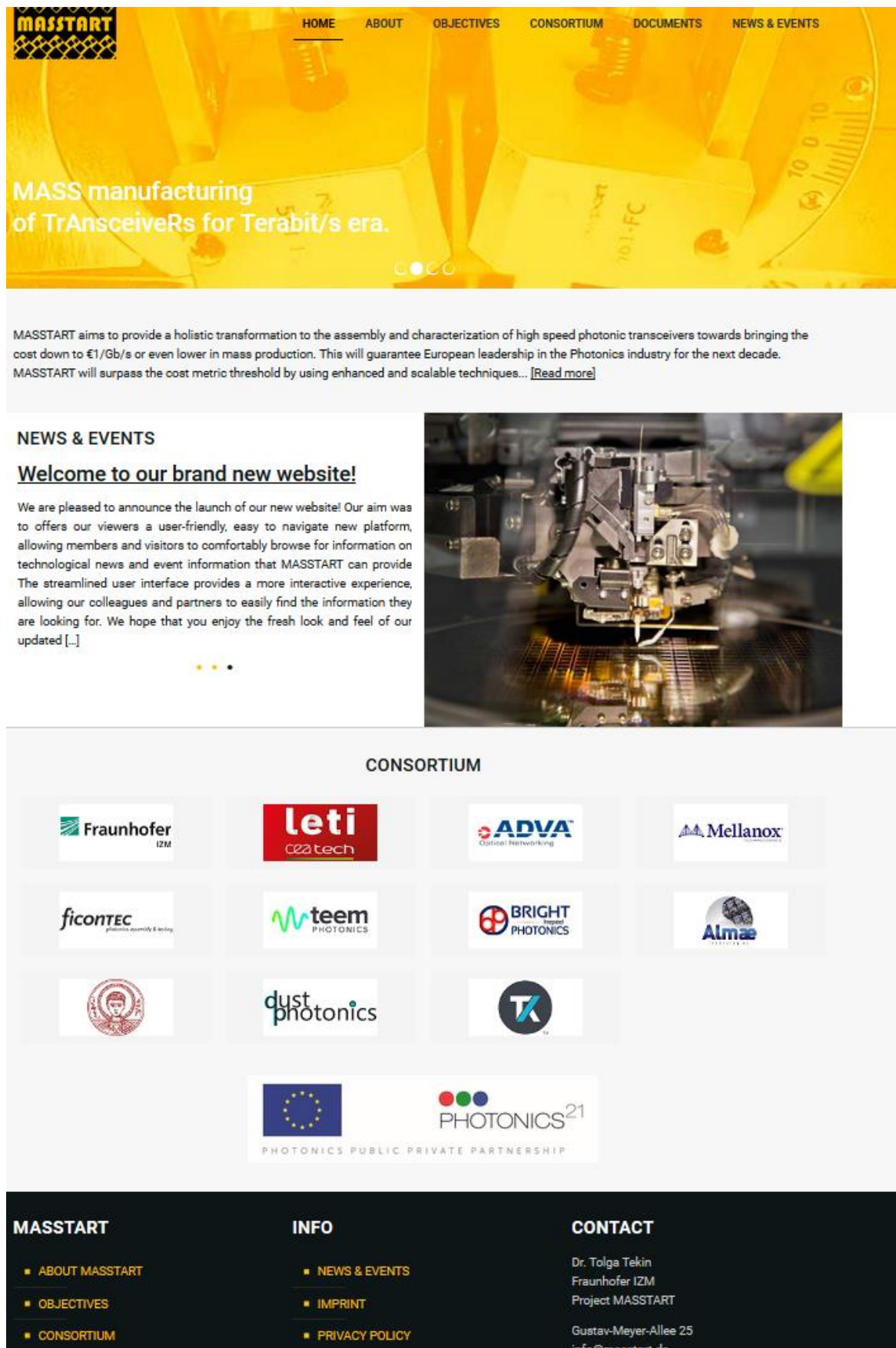
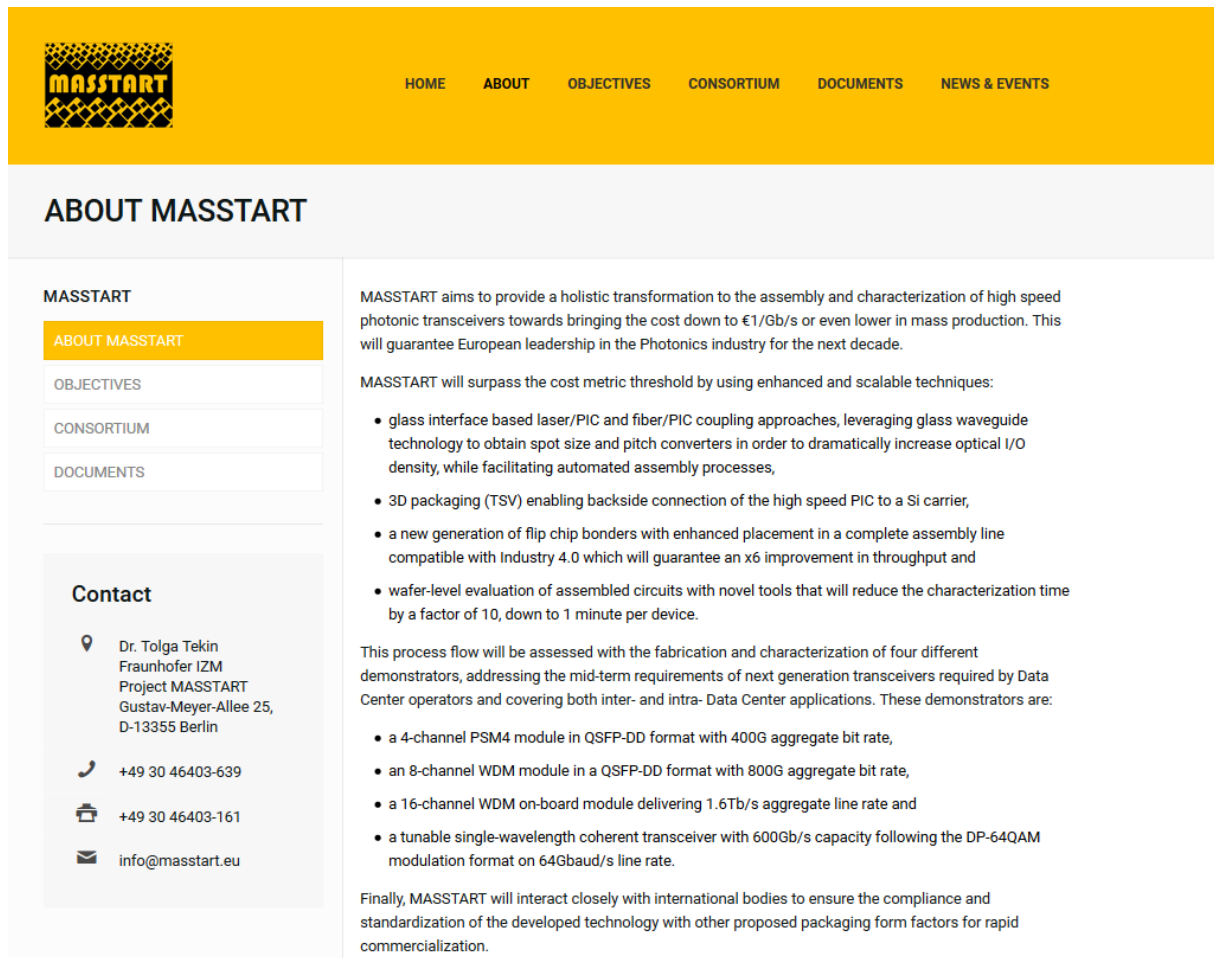
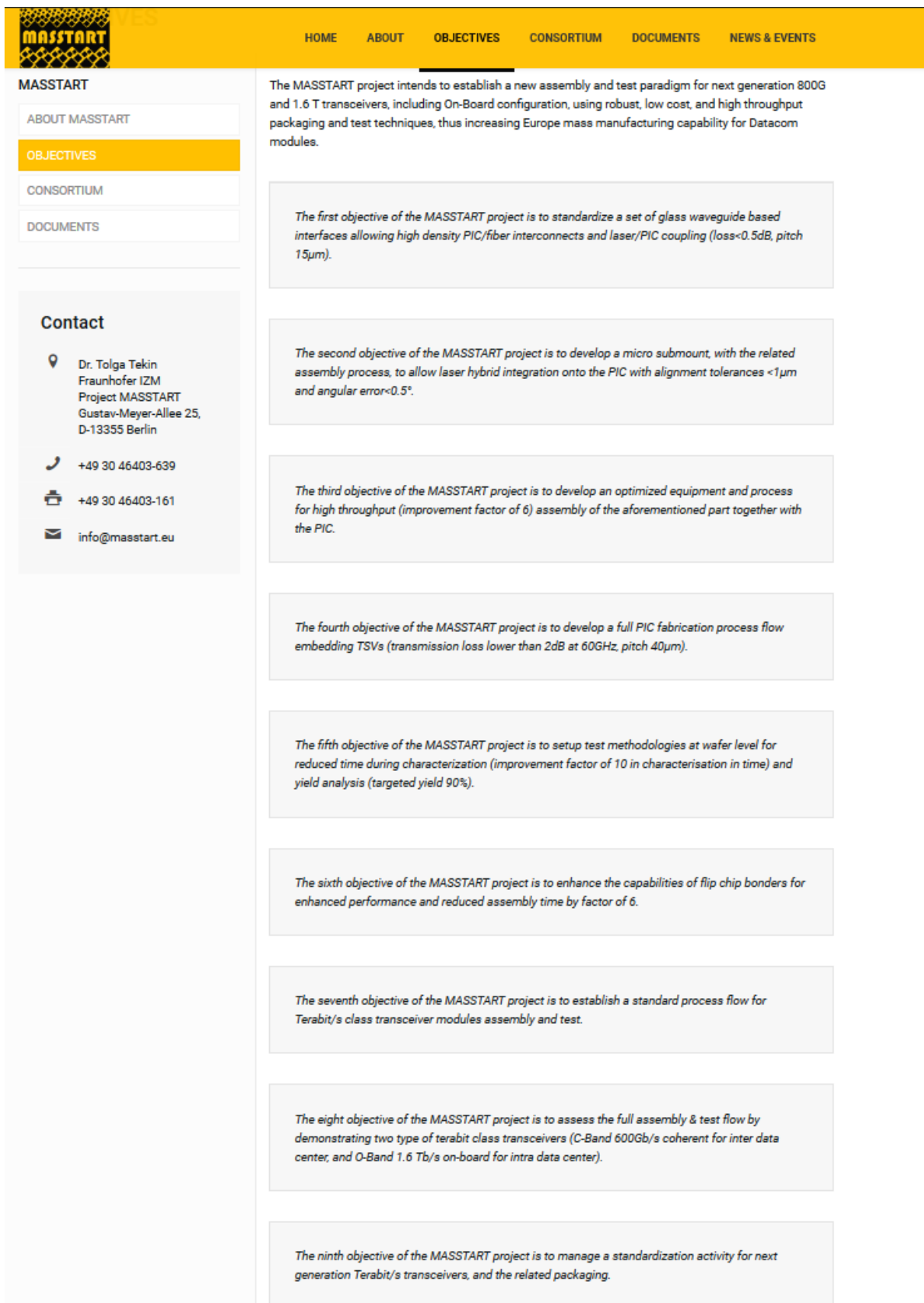


Figure 1. MASSTART' website: the homepage



*Figure 2. MASSTART' website: the About page*



The screenshot shows the MASSTART website's 'Objectives' page. The header is orange with the MASSTART logo on the left and navigation links (HOME, ABOUT, OBJECTIVES, CONSORTIUM, DOCUMENTS, NEWS & EVENTS) on the right. The 'OBJECTIVES' link is highlighted. On the left side, there is a sidebar with a 'Contact' section containing the contact information for Dr. Tolga Tekin at Fraunhofer IZM. The main content area features a paragraph about the project's intent to establish a new assembly and test paradigm for next-generation 800G and 1.6 T transceivers. Below this, there are nine objective boxes, each containing a numbered objective. The objectives range from standardizing glass waveguide interfaces to managing a standardization activity for next-generation transceivers and packaging.

**MASSTART**

ABOUT MASSTART

**OBJECTIVES**

CONSORTIUM

DOCUMENTS

**Contact**

Dr. Tolga Tekin  
Fraunhofer IZM  
Project MASSTART  
Gustav-Meyer-Allee 25,  
D-13355 Berlin

+49 30 46403-639

+49 30 46403-161

info@masstart.eu

The MASSTART project intends to establish a new assembly and test paradigm for next generation 800G and 1.6 T transceivers, including On-Board configuration, using robust, low cost, and high throughput packaging and test techniques, thus increasing Europe mass manufacturing capability for Datacom modules.

*The first objective of the MASSTART project is to standardize a set of glass waveguide based interfaces allowing high density PIC/fiber interconnects and laser/PIC coupling (loss<0.5dB, pitch 15µm).*

*The second objective of the MASSTART project is to develop a micro submount, with the related assembly process, to allow laser hybrid integration onto the PIC with alignment tolerances <1µm and angular error<0.5°.*

*The third objective of the MASSTART project is to develop an optimized equipment and process for high throughput (improvement factor of 6) assembly of the aforementioned part together with the PIC.*

*The fourth objective of the MASSTART project is to develop a full PIC fabrication process flow embedding TSVs (transmission loss lower than 2dB at 60GHz, pitch 40µm).*

*The fifth objective of the MASSTART project is to setup test methodologies at wafer level for reduced time during characterization (improvement factor of 10 in characterisation in time) and yield analysis (targeted yield 90%).*

*The sixth objective of the MASSTART project is to enhance the capabilities of flip chip bonders for enhanced performance and reduced assembly time by factor of 6.*

*The seventh objective of the MASSTART project is to establish a standard process flow for Terabit/s class transceiver modules assembly and test.*

*The eighth objective of the MASSTART project is to assess the full assembly & test flow by demonstrating two type of terabit class transceivers (C-Band 600Gb/s coherent for inter data center, and O-Band 1.6 Tb/s on-board for intra data center).*

*The ninth objective of the MASSTART project is to manage a standardization activity for next generation Terabit/s transceivers, and the related packaging.*

Figure 3. MASSTART' website: the Objectives page

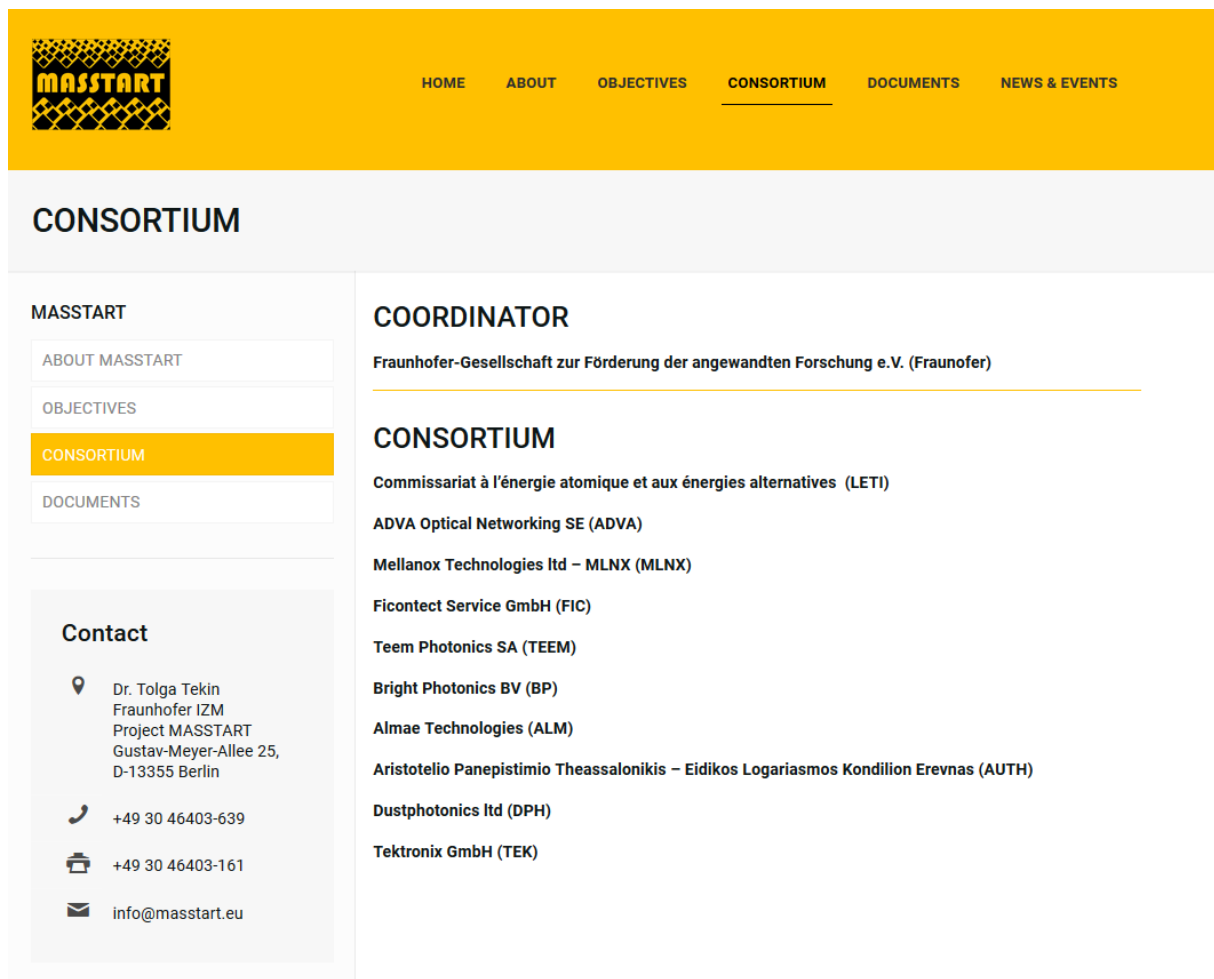
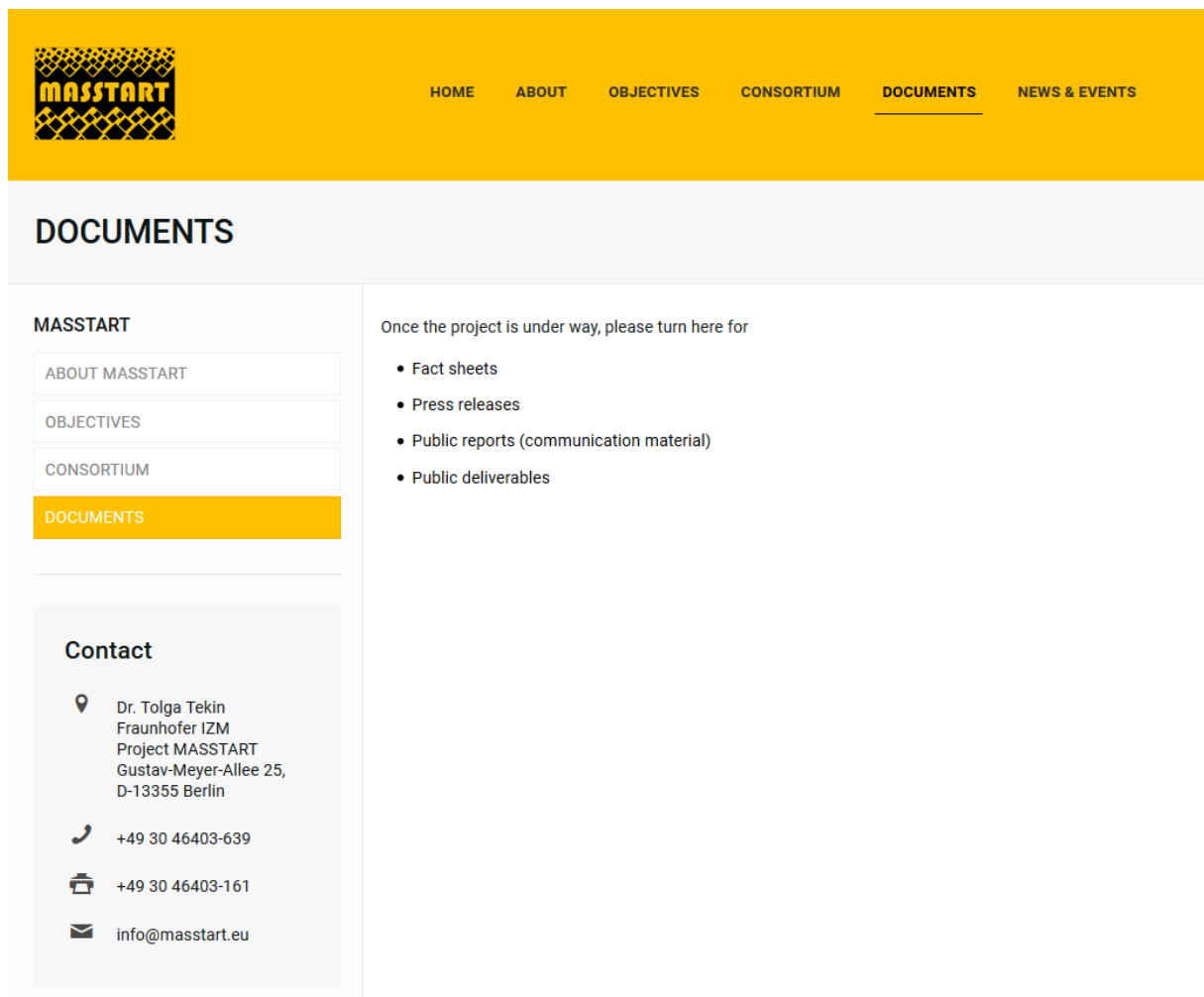


Figure 4. MASSTART' website: the Consortium page



*Figure 5. MASSTART' website: the Documents download page*

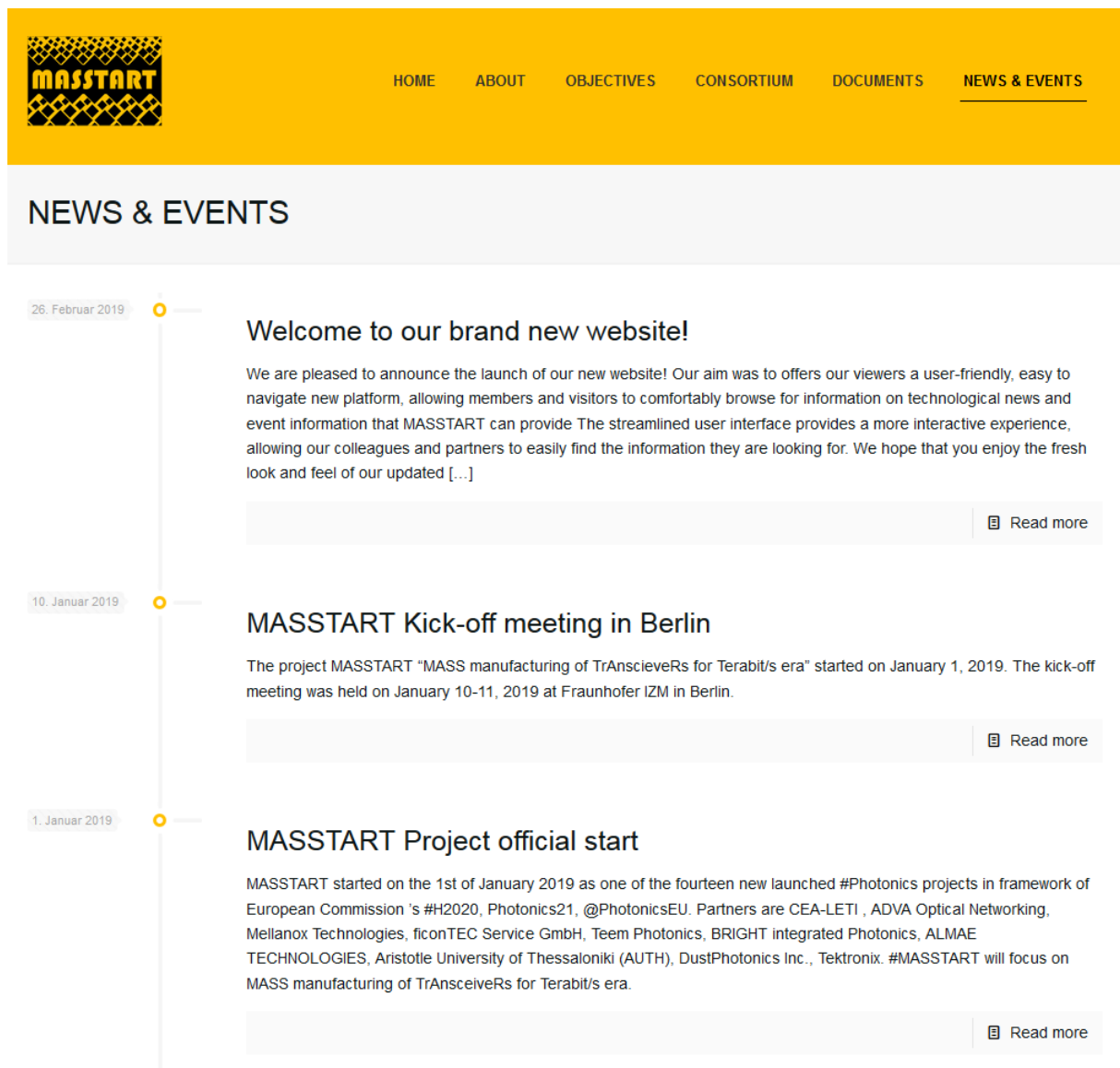


Figure 6. MASSTART' website: the News & Events page

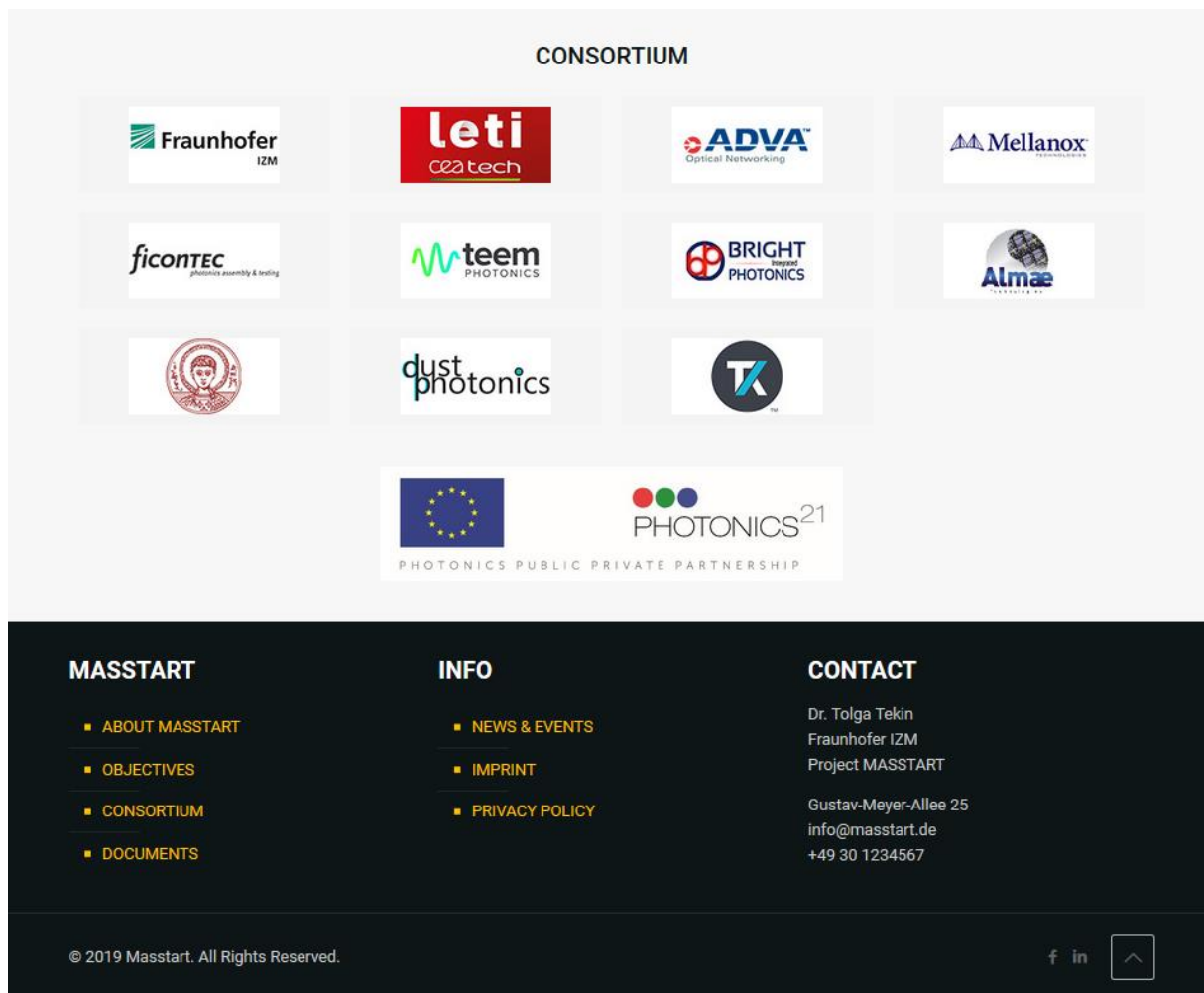



Figure 7. MASSTART' website: the Footer present on all pages



HOME   ABOUT   OBJECTIVES   CONSORTIUM   DOCUMENTS   NEWS & EVENTS

## IMPRINT

### Information pursuant to § 5 TMG

Fraunhofer-Institut für Zuverlässigkeit und Mikrointegration IZM  
Gustav-Meyer-Allee 25  
13355 Berlin

Vereinsregister: VR 4461  
Registration court: Amtsgericht München

**Represented by the Executive Board:**  
Dr. Tolga Tekin

### Contact

Phone: +49 30 464 03639  
Telefax: +49 30 464 03161  
E-mail: Tolga.Tekin@izm.fraunhofer.de

### VAT ID

Sales tax identification number according to § 27 a of the Sales Tax Law:  
DE 129515865

### Responsible for the content according to § 55(2) RStV

Dr. Tolga Tekin

Fraunhofer-Institut für Zuverlässigkeit und Mikrointegration IZM  
Gustav-Meyer-Allee 25  
13355 Berlin

### EU dispute resolution

The European Commission provides a platform for online dispute resolution (ODR): <https://ec.europa.eu/consumers/odr>.  
Our e-mail address can be found above in the site notice.

We are not willing or obliged to participate in dispute resolution proceedings before a consumer arbitration board.

### Liability for Contents

As service providers, we are liable for own contents of these websites according to Sec. 7, paragraph 1 German Telemedia Act (TMG). However, according to Sec. 8 to 10 German Telemedia Act (TMG), service providers are not obligated to permanently monitor submitted or stored information or to search for evidences that indicate illegal activities.

Legal obligations to removing information or to blocking the use of information remain unchallenged. In this case, liability is only possible at the time of knowledge about a specific violation of law. Illegal contents will be removed immediately at the time we get knowledge of them.

### Liability for Links

Our offer includes links to external third party websites. We have no influence on the contents of those websites, therefore we cannot guarantee for those contents. Providers or administrators of linked websites are always responsible for their own contents.

The linked websites had been checked for possible violations of law at the time of the establishment of the link. Illegal contents were not detected at the time of the linking. A permanent monitoring of the contents of linked websites cannot be imposed without reasonable indications that there has been a violation of law. Illegal links will be removed immediately at the time we get knowledge of them.

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The commercial use of our contents without permission of the originator is prohibited.

Copyright laws of third parties are respected as long as the contents on these websites do not originate from the provider. Contributions of third parties on this site are indicated as such. However, if you notice any violations of copyright law, please inform us. Such contents will be removed immediately.

Figure 8. MASSTART' website: the Imprint page





HOMEABOUTOBJECTIVESCONSORTIUMDOCUMENTSNEWS

## Privacy Policy

### 1. An overview of data protection

#### General information

The following information will provide you with an easy to navigate overview of what will happen with your personal data when you visit our website. The term "personal data" comprises all data that can be used to personally identify you. For detailed information about the subject matter of data protection, please consult our Data Protection Declaration, which we have included beneath this copy.

#### Data recording on our website

**Who is the responsible party for the recording of data on this website (i.e. the "controller")?**

The data on this website is processed by the operator of the website, whose contact information is available under section "Information Required by Law" on this website.

**How do we record your data?**

We collect your data as a result of your sharing of your data with us. This may, for instance be information you enter into our contact form.

Our IT systems automatically record other data when you visit our website. This data comprises primarily technical information (e.g. web browser, operating system or time the site was accessed). This information is recorded automatically when you access our website.

**What are the purposes we use your data for?**

A portion of the information is generated to guarantee the error free provision of the website. Other data may be used to analyse your user patterns.

**What rights do you have as far as your information is concerned?**

You have the right to receive information about the source, recipients and purposes of your archived personal data at any time without having to pay a fee for such disclosures. You also have the right to demand that your data are rectified, blocked or eradicated. Please do not hesitate to contact us at any time under the address disclosed in section "Information Required by Law" on this website if you have questions about this or any other data protection related issues. You also have the right to log a complaint with the competent supervising agency.

Moreover, under certain circumstances, you have the right to demand the restriction of the processing of your personal data. For details, please consult the Data Protection Declaration under section "Right to Restriction of Data Processing."

#### Analysis tools and tools provided by third parties

There is a possibility that your browsing patterns will be statistically analysed when you visit our website. Such analyses are performed primarily with cookies and with what we refer to as analysis programmes. As a rule, the analyses of your browsing patterns are conducted anonymously; i.e. the browsing patterns cannot be traced back to you. You have the option to object to such analyses or you can prevent their performance by not using certain tools. For detailed information about this, please consult our Data Protection Declaration below.

You do have the option to object to such analyses. We will brief you on the objection options in this Data Protection Declaration.

### 2. General information and mandatory information

#### Data protection

The operators of this website and its pages take the protection of your personal data very seriously. Hence, we handle your personal data as confidential information and in compliance with the statutory data protection regulations and this Data Protection Declaration.

Whenever you use this website, a variety of personal information will be collected. Personal data comprises data that can be used to personally identify you. This Data Protection Declaration explains which data we collect as well as the purposes we use this data for. It also explains how, and for which purpose the information is collected.

We herewith advise you that the transmission of data via the Internet (i.e. through e-mail communications) may be prone to security gaps. It is not possible to completely protect data against third party access.

#### Information about the responsible party (referred to as the "controller" in the GDPR)

The data processing controller on this website is:

Dr. Tolga Tekin

Fraunhofer-Institut für Zuverlässigkeit und Mikrointegration IZM  
Gustav-Meyer-Allee 25  
13355 Berlin

Phone: +49 30 46403-639  
E-mail: Tolga.Tekin@izm.fraunhofer.de

The controller is the natural person or legal entity that single-handedly or jointly with others makes decisions as to the purposes of and resources for the processing of personal data (e.g. names, e-mail addresses, etc.).

Figure 9. MASSTART' website: the Privacy Policy page

## 4 Social Media Accounts

MASSTART has established accounts at various social networking services, such as Twitter and LinkedIn as additional dissemination tools. Fraunhofer has created and will manage the following social media accounts:

1. Twitter: MASSTART' account is <https://twitter.com/MasstartSocial>

The project follows 14 accounts for the moment including EU projects:

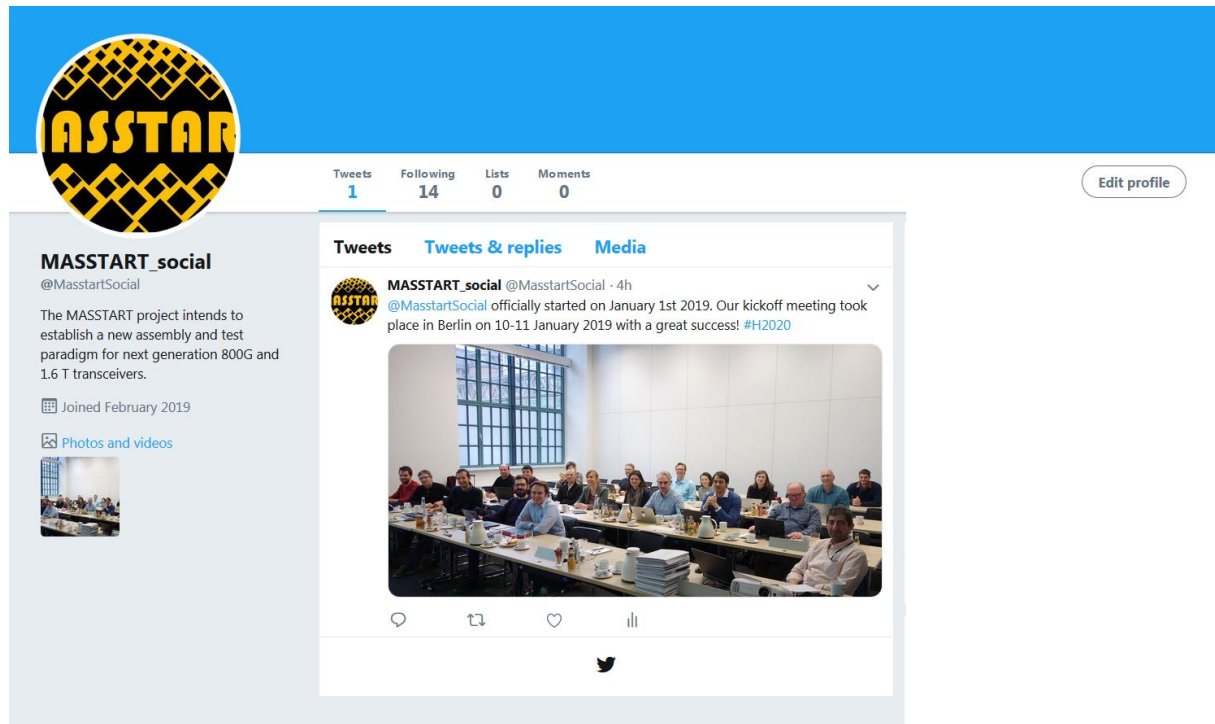


Figure 10. MASSTART twitter account

2. LinkedIn: the LinkedIn account of MASSTART is located at <https://www.linkedin.com/in/masstart-project-52b210181/>.

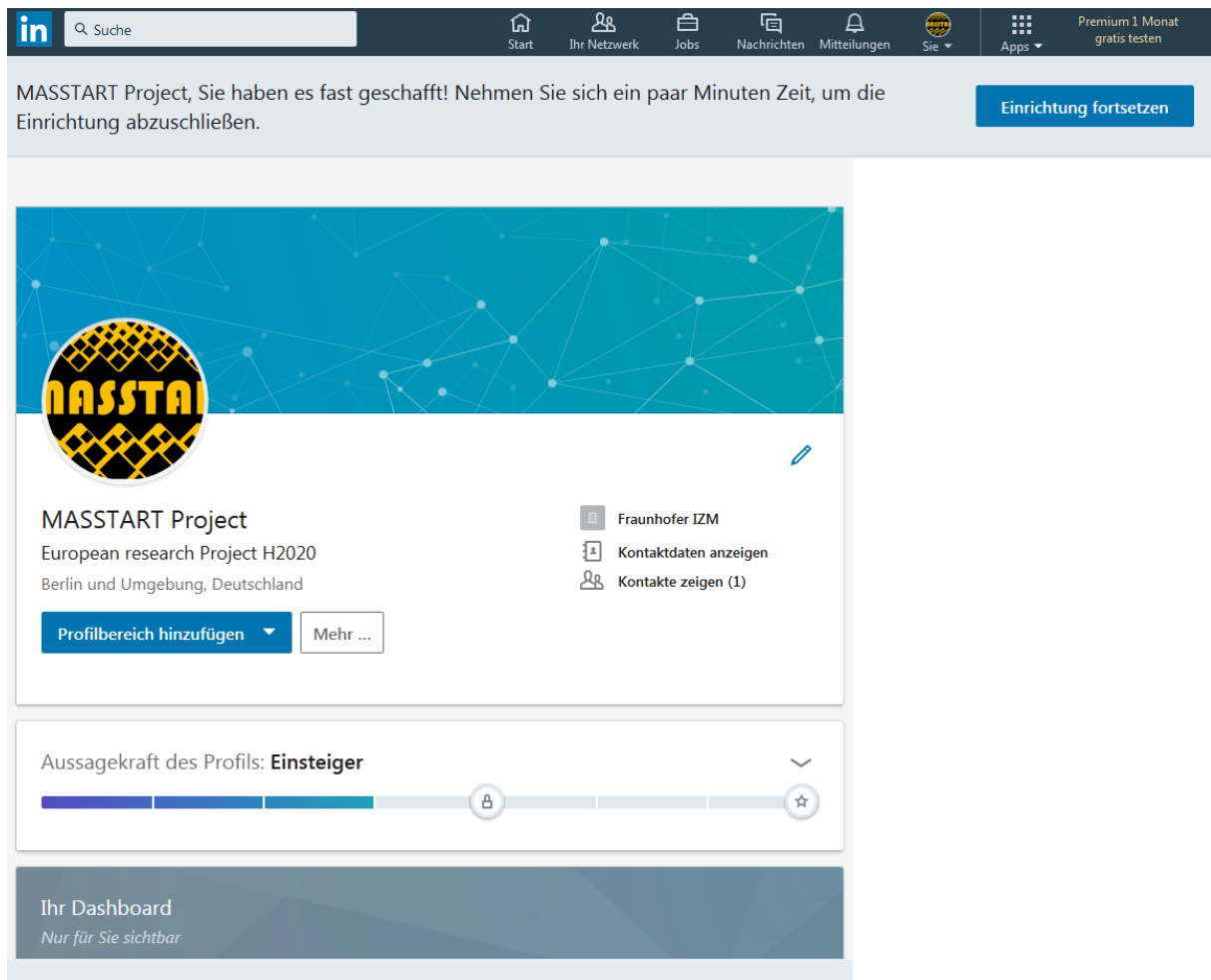


Figure 11. MASSTART LinkedIn profile

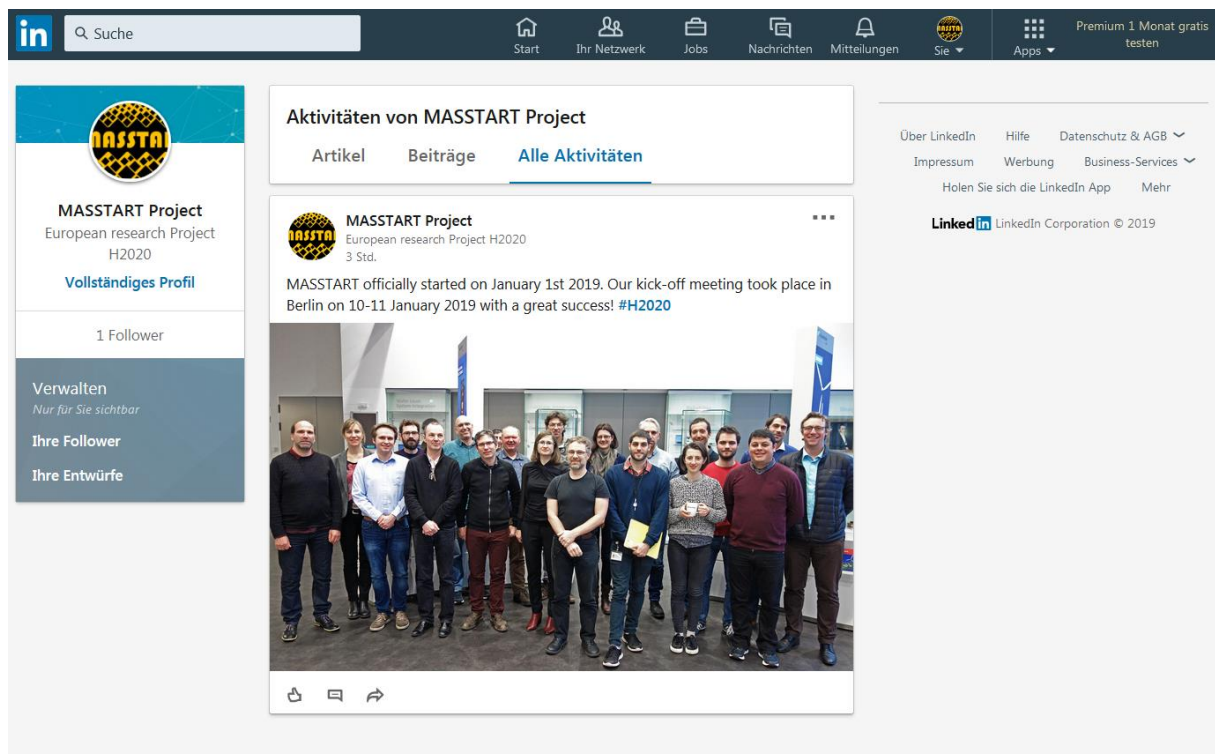


Figure 12. Kick-off dissemination through MASSTART LinkedIn page