



Ancillary services in aCTIVE distribution networks bAsed on moniToring and control tEchniques

Project: **ACTIVATE**
Deliverable number: **6.1**
Deliverable Name: **First accessible version of social media accounts**

Document Properties	
Dissemination level	Public
Author(s)	Theofilos Papadopoulos (DUTH)
Checked by PI	17/04/2020
Submission due date	17/04/2020
Actual submission date	17/04/2020

Document History

Version	Date	Contributor(s)	Description
1.0	10/04/2020	Theofilos Papadopoulos	First draft
2.0	17/04/2020	Theofilos Papadopoulos	Final

List of Acronyms

Acronym	Meaning
FB	Facebook
RG	Researchgate
PI	Principal Investigator

Disclaimer: *“This document has been prepared in the context of ACTIVATE project, funded by the Hellenic Foundation for Research and Innovation (H.F.R.I.) under the “First Call for H.F.R.I. Research Projects to support Faculty members and Researchers and the procurement of high-cost research equipment grant” (Project Number: 229). This document reflects only the authors’ views and H.F.R.I. are not responsible for any use that may be made of the information it contains.”*

Table of contents

EXECUTIVE SUMMARY	6
1. PROJECT WEBSITE	7
1.1. WEBPAGE PURPOSE FOR ACTIVATE	8
2. FACEBOOK PAGE	9
2.1. FACEBOOK AUDIENCE	10
2.2. FACEBOOK PURPOSE FOR ACTIVATE	11
3. RESEARCHGATE PAGE	12
3.1. RG AUDIENCE	14
3.2. RG PURPOSE FOR ACTIVATE	14
4. LINKEDIN PAGE	15
4.1. LINKEDIN AUDIENCE	16
4.2. LINKEDIN USE FOR ACTIVATE	16
5. CONCLUSION	17

Table of figures

FIGURE 1: WEB PAGE (SCREENSHOT 1).....	7
FIGURE 2: WEB PAGE (SCREENSHOT 2).....	7
FIGURE 3: FB PAGE (SCREENSHOT 1).	9
FIGURE 4: FB PAGE (SCREENSHOT 2).	10
FIGURE 5: MAIN PAGE OF ACTIVATE IN RG.	12
FIGURE 6: PROJECT LOG IN RG.	13
FIGURE 7: MAIN PAGE OF ACTIVATE IN LINKEDIN.	15

Executive summary

The aim of this deliverable (D6.1) is to provide a list dissemination tools created for the ACTIVATE project, in order to increase public awareness and communicate the project advances and outcomes through the project web-site accompanied and interlinked with its respective social media accounts (Researchgate, LinkedIn and Facebook Pages)

Each social link is completed with a short description of its target and operational strategy.

1. Project website

The project website of ACTIVATE is assessed via the following URL:

<https://activate.ee.duth.gr/>

Screenshots from the main page are presented in Figs. 1 and 2.

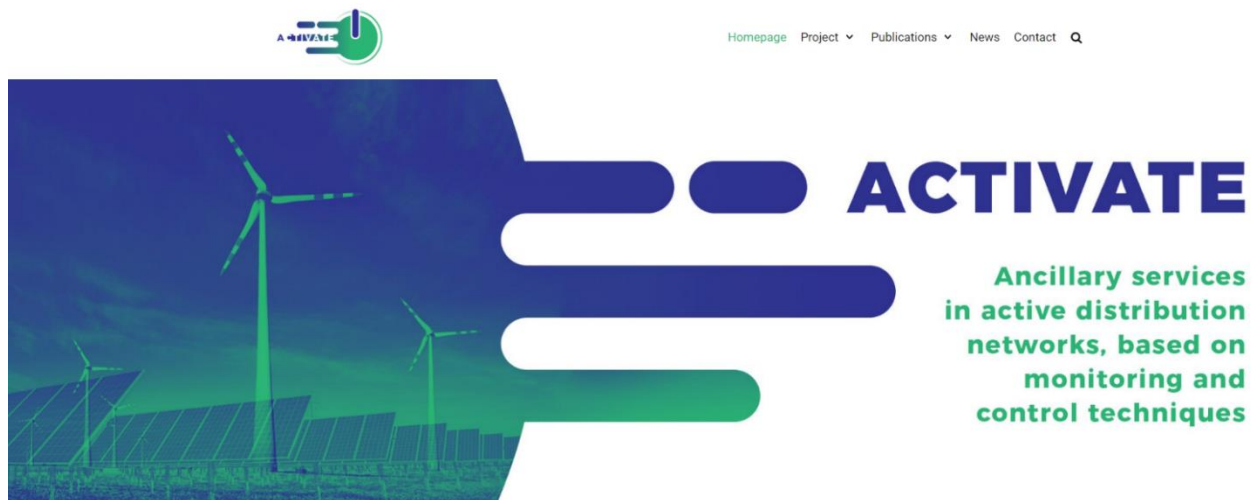


Figure 1: Web page (screenshot 1).

THE ACTIVATE PROJECT

ACTIVATE contributes to the increase of supply reliability and DRES penetration to meet EU targets to improve sustainability, flexibility, and efficiency in electricity sector. We develop novel and ready-to-apply ancillary service solutions for TSOs and DSOs. The solutions aim at addressing the emerging grid operation challenges caused by the increased DRES penetration and especially their intermittent nature.

[READ MORE](#)

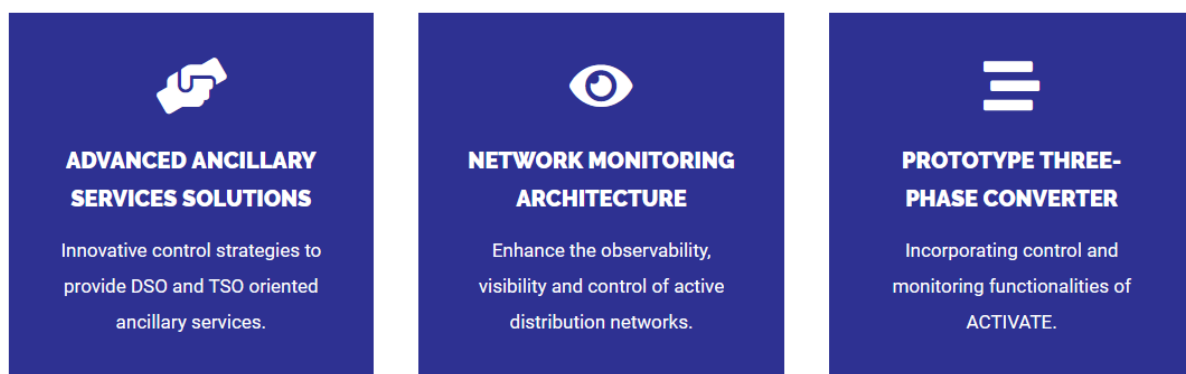


Figure 2: Web page (screenshot 2).

1.1. Webpage purpose for ACTIVATE

The webpage strategy will be based on the following aspects:

- sharing contents – we will inform about project results, papers and articles
- publishing contents – we will publish our main deliverables and reports
- showcase our events and news – we will promote events, activities and news.

2. Facebook page

An account for the ACTIVATE project has been created within the Facebook (FB) social networking website. It can be accessed through the link: <https://www.facebook.com/Activate-107734704150149>

Screenshots from the main FB page and project log page of ACTIVATE are presented in Figs. 3 and 4, respectively.



Figure 3: FB page (screenshot 1).

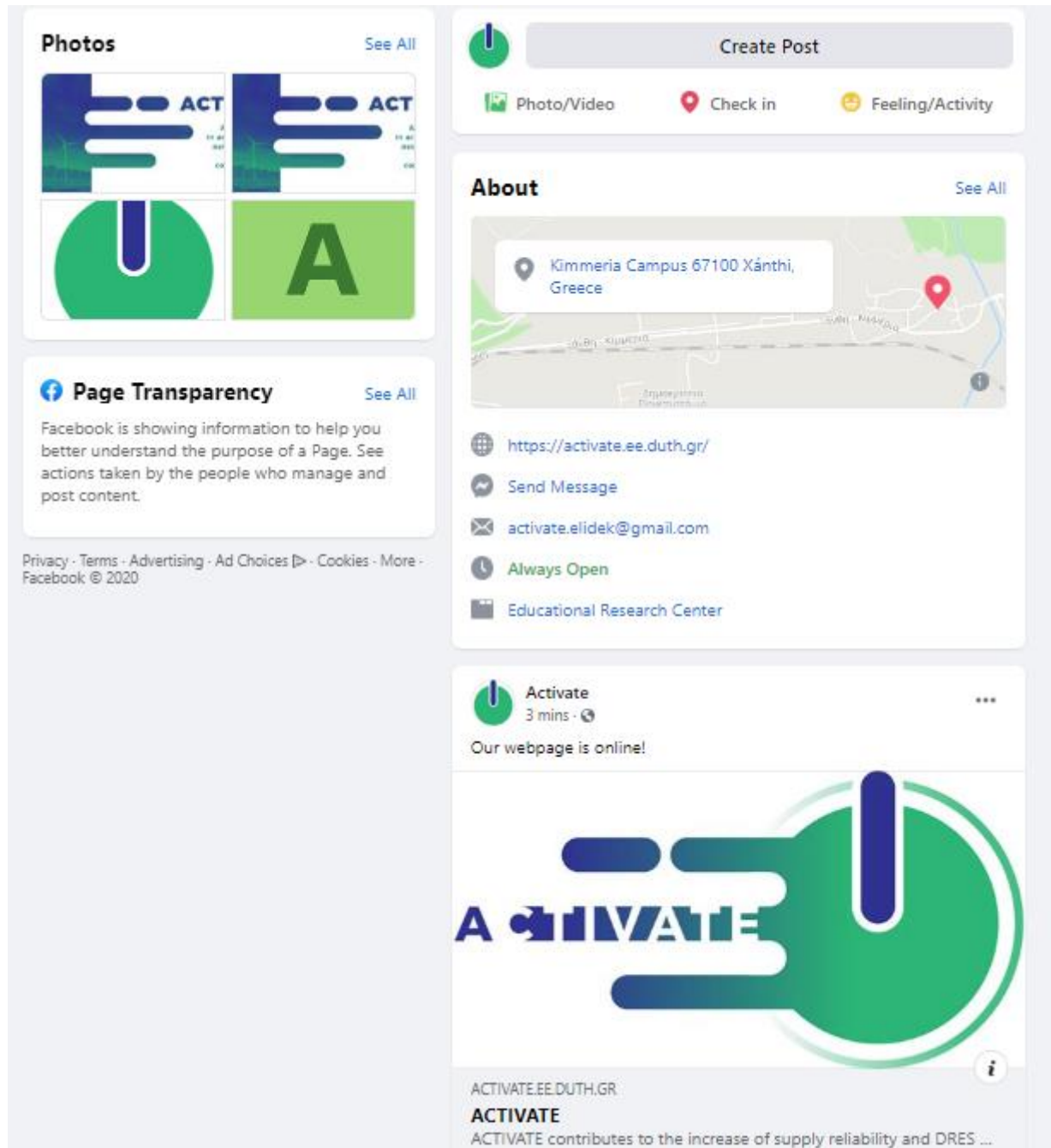


Figure 4: FB page (screenshot 2).

2.1. Facebook audience

Recent studies show that 65 percent of users on Facebook are 35 years old or older. The average age is just over 40 with the largest group aged 45 to 54. Only 14 percent of Facebook users are under the age of 24. Also, 57 percent of users have completed some sort of college education.

2.2. Facebook purpose for ACTIVATE

In consideration of the general data and usage, the ACTIVATE project activities on Facebook will aim to create a community to disseminate the results and activities of the project as well as to define a dialogue among different stakeholders at a policy and community level.

3. Researchgate page

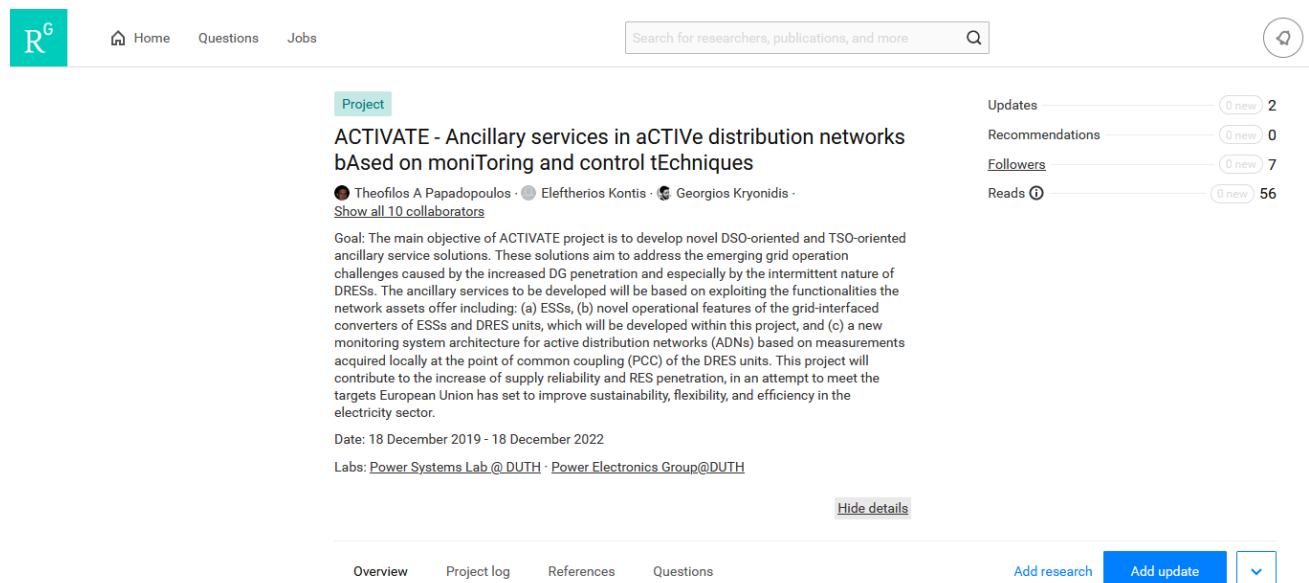
The researchgate (RG) page is assessed via the following URL:

<https://www.researchgate.net/project/ACTIVATE-Ancillary-services-in-aACTIVE-distribution-networks-bAsed-on-moniToring-and-control-tEchniques>

In RG page of ACTIVATE the following information can be provided:

- Overview of the project
- Updates – news regarding the project progress (Project log)
- Project collaborators
- Description of project methods
- Project references
- Project followers can make questions and receive answers form the research group members.

Screenshots from the main RG page and project log page of ACTIVATE are presented in Figs. 5 and 6, respectively.




The screenshot shows the main page of the ACTIVATE project on ResearchGate. The page header includes the ResearchGate logo, navigation links (Home, Questions, Jobs), a search bar, and a notification icon. The project title is "ACTIVATE - Ancillary services in aACTIVE distribution networks bAsed on moniToring and control tEchniques". The project is led by Theofilos A Papadopoulos, Eleftherios Kontis, and Georgios Kryonidis. The project description states: "Goal: The main objective of ACTIVATE project is to develop novel DSO-oriented and TSO-oriented ancillary service solutions. These solutions aim to address the emerging grid operation challenges caused by the increased DG penetration and especially by the intermittent nature of DRESs. The ancillary services to be developed will be based on exploiting the functionalities the network assets offer including: (a) ESSs, (b) novel operational features of the grid-interfaced converters of ESSs and DRES units, which will be developed within this project, and (c) a new monitoring system architecture for active distribution networks (ADNs) based on measurements acquired locally at the point of common coupling (PCC) of the DRES units. This project will contribute to the increase of supply reliability and RES penetration, in an attempt to meet the targets European Union has set to improve sustainability, flexibility, and efficiency in the electricity sector." The project date is 18 December 2019 - 18 December 2022, and the labs are Power Systems Lab @ DUTH and Power Electronics Group@DUTH. The page also shows statistics: 2 updates, 0 recommendations, 7 followers, and 56 reads. Navigation tabs include Overview, Project log, References, and Questions. There are buttons for "Add research" and "Add update".

Figure 5: Main page of ACTIVATE in RG.

Project log

Build your reputation by sharing a project update

[Add update](#)




You
added an **update**


Feb 7 ▾


Kick-off meeting presentation


The kick-off meeting took place in Xanthi on 17/01/2020. Members of the research group from both Democritus University of Thrace and Aristotle University of Thessaloniki participated. Technical and managerial issues were discussed on the basis of the project WPs.

 [ACTIVATE_Jan_researchgate.pdf](#) · 422.04 KB


[Comment](#) [Share](#)
11 Reads



Theofilos A Papadopoulos
 27.87 · Democritus University of Thrace

 [Add files](#)
By uploading files you confirm you have the rights to do so.

Add



You
added a **project goal**

Jan 11

The main objective of ACTIVATE project is to develop novel DSO-oriented and TSO-oriented ancillary service solutions. These solutions aim to address the emerging grid operation challenges caused by the increased DG penetration and especially by the intermittent nature of DRESs. The ancillary services to be developed will be based on exploiting the functionalities the network assets offer including: (a) ESSs, (b) novel operational features of the grid-interfaced converters of ESSs and DRES units, which will be developed within this project, and (c) a new monitoring system architecture for active distribution networks (ADNs) based on measurements acquired locally at the point of common coupling (PCC) of the DRES units. This project will contribute to the increase of supply reliability and RES penetration, in an attempt to meet the targets European Union

Figure 6: Project log in RG.

3.1. **RG audience**

RG is a European commercial social networking site for scientists and researchers to share papers, ask and answer questions, find collaborators and demonstrate their work.

3.2. **RG purpose for ACTIVATE**

The RG strategy will be based on the following aspects:

- sharing contents – we will inform about project results, papers, articles and main deliverables through this social network
- showcase our events and news – we will promote events and activities with a specific target selection to the scientific community

4. LinkedIn page

The LinkedIn page is assessed via the following URL:

<https://www.linkedin.com/company/activate-research-project>

Screenshots from the LinkedIn page are presented in Fig. 7.



About us

Nowadays, electrical networks are facing a transition towards the proliferation of distributed generation, mainly caused by the advent of distributed renewable energy sources (DRESs), and is promoted by national and international policies. This, however, poses unprecedented technical challenges for the smooth and reliable network operation, such as voltage regulation issues, overloading of network equipment, abnormal frequency deviations, and dynamic stability problems. The main objective of ACTIVATE is to develop novel ancillary service solutions for TSOs and DSOs. The solutions aim at addressing the emerging grid operation challenges caused by the increased DRES penetration and especially their intermittent nature.

ACTIVATE will propose the design of control strategies, combining the centralized and decentralized concepts to improve the performance of the network. To extend the applicability of the proposed strategies also a virtual inertia scheme will be incorporated to modify the control strategies of DRES converters. To enhance further the adaptability of the provided virtual inertia and to modify the overall dynamic response of the power system, energy storage systems will be used with novel congestion management techniques. Additionally, an innovative network monitoring architecture will be proposed

Figure 7: Main page of ACTIVATE in LinkedIn.

4.1. LinkedIn Audience

With more than 645 million users, LinkedIn hosts the largest database of professional and career insights and connects people and businesses to share discussions about industry trends, inspiration, management techniques, and a lot more.

4.2. LinkedIn use for ACTIVATE

LinkedIn will be used by the project in order to access the biggest market of professionals and experts in the field, as well as to create targeted conversions with interested stakeholders operating in the sector.

The LinkedIn strategy will be based on the following aspects:

- sharing – we will share projects results, papers, articles and main deliverables through this social network
- showcase our events and news – we will promote events, and activities with a specific target selection.

5. Conclusion

The project webpage and social media pages consist a key asset in the communication strategy of the ACTIVATE project and their usage will be important to create connections and to increase the impact of the project activities and outcomes.