

D6.2 Project Website

Version: 1.1 Due: 2018-02-14 Completed: 2018-05-04

Project	co-funded by the European GNSS Agency (GSA) within the H2020 Framework Programme	
Dissem	ination level	
PU	Public	Х
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	



European Global Navigation Satellite Systems Agency "This project has received funding from the European GNSS Agency under the European Union's Horizon 2020 research and innovation programme under grant agreement No 776307".



Deliverable type: DEC

Leader in charge of deliverable: Stefan Nord

Affiliation: **RISE**

Authors

Affiliation	Name	
RISE	Stefan Nord	

Consortium Members

Organisation	Abbreviation	Country
RISE Research Institutes of Sweden	RISE	Sweden
Scania Scania CV AB	SCANIA	Sweden
Flowscape AB / Waysure Sweden AB	FS / WS	Sweden
Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	FhG	Germany
Asociacion Centro Tecnologico Ceit-IK4	Ceit-IK4	Spain
Baselabs GmbH	BL	Germany
Commsignia KFT	CMS	Hungary

Document history

Planned revisions:

Version	Description	Date
0.1	First Draft	2018-02-08
1.0	Final version	2018-02-12
1.1	Updated with changes according to DRS after GSA review after website	2018-05-04
	was updated accordingly.	





Contents

SU	MMARY	.4
НО	DME	.5
SE	CTIONS	.6
3.1	About	.6
3.2	NEWS	.7
3.3	Results	. 8
3.4		
3.5		-
3.6	CONTACT	11
	HC SE 3.1 3.2 3.3 3.4 3.5	3.4 Consortium





1 Summary

The PRoPART public website has been implemented in month 3 of the project, and will be maintained over the lifetime of the project. The internet portal works as communication platform to assist the coordination of the project and its activities.

An individual domain has been acquired to host the website. The link to this PRoPART website is:

http://www.propart-project.eu/

Within the design phase of the website, perspectives from both specialized and non-specialized visitors have been considered in order to develop the interface.

The website will be the main communication tool for the project, where all the publicly available dissemination materials will be published in a timely manner. The website is an interactive environment that will give access to all the publishable development of PRoPART. It will give a very direct link to the main results and to the hottest project news.

Besides, this website gives a link to the objectives, partnership, activities and events related with the project, and it is planned to give access to all the aspects regarding the new technologies, best practices and recommendations for robust positioning for automated vehicles gathered from the project development. Contributions from the partners will be highly important to maintain the project's website updated, in order to improve the website positioning in search engines and to reflect an active attitude to Internet users. In addition, partners are asked to link their website and platforms to the website of PRoPART project. In this sense, a SEO positioning analysis will be performed to ensure higher visibility in web search engines.

The following points describe the different sections and functionalities of the website, supported by screenshots to better understand its use.





2 Home

The "home" area of the website is composed of different sections:

Top bar and upper area: Project logo and structure of the website including a menu and search field. The tabs and sub-tabs included may be modified over the project lifetime according to the needs of PROPART. As a very first impact, visitors see dynamic slides giving key messages of the project.

In the middle area, there is a short project abstract, and also a link to the PRoPART LinkedIn-group. In the lower part, latest news will be visible, as well as partner logos and information about the funding contract.

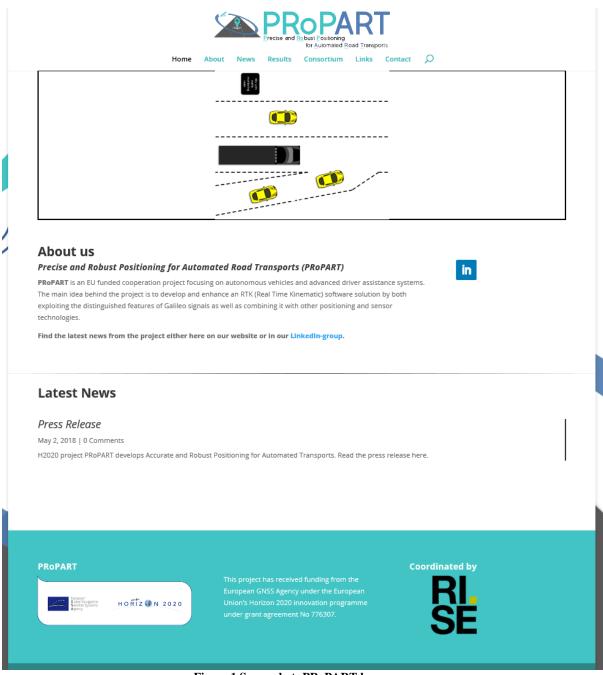


Figure 1 Screenshot: PRoPART homepage





3 Sections

3.1 About

This section is broken down in 4 tabs: Rationale, PRoPART Objectives, Work Packages, Target Markets and Customers and Expected Benefits. Additional Tabs may be added if needed.

	e Project Objectives Work Packages Target Markets and Customers Expected Benefits
accident business positioni the PRoF	nous vehicles and advanced driver assistance systems contribute towards "Vision Zero", i.e. a future where no humans are killed or impaired by s. Predictions indicate that these technologies will also contribute to reduced traffic density through increased road efficiency and will create new models for mobility. It has already been proven to reduce both the number and extent of injuries and insurance costs[1][2]. Precise and robust ng is a required key technology in both advanced driver assistance systems and connected autonomous vehicle applications. The main idea behind ART project is to develop and enhance an RTK (Real Time Kinematic) software solution by both exploiting the distinguished features of ignals as well as combining it with other positioning and sensor technologies.
function the diffe automat	e the correct requirements for precision and robustness of the PRoPART combined positioning solution a collaborative automated vehicle i demonstration in a representative traffic situation will be defined and developed . This ensures that the PRoPART RTK positioning solution fulfili rent needs of vehicle OEMs, and serves as a demonstration for the validation of the developed solution. The selected application is a collaborative ed lane change function that enables safe and robust lane change of an automated heavy commercial vehicle by using object detection sensors as osition and time information from both the ego vehicle as well as similar information from road side detection units by means of V2I ication.
autonom position	ere are several types of sensors used in autonomous vehicles such as cameras, laser scanners, ultrasonic, radar etc. The connected and nous vehicle applications currently under development are based on the cooperation between different solutions to determine the absolute of the vehicle on the road and relative to any obstacles. No single technology has the ability to solve this in all situations and when combining technologies, it is vital to understand the dependability of the available information.
constella signals, v station r contribu provide o solutions	tion(s). The use of carrier phase measurements allows cm-level accuracies at the expense of having to solve the integer ambiguity of such carrier which is a sophisticated process with a certain convergence time. The main inconvenience of the RTK technique is that it requires a reference elatively close to the user so that the differential satellite and transmission medium errors are negligible, of which ionospheric delay is the largest tor. A way to partially overcome such inconvenience appears with network RTK (NRTK or virtual RTK) which uses a set of reference stations to the user. In any case, RTK/NRTK approaches works well with baselines no longer than about 15 km for single frequency with the required precision of autonomous vehicle applications. Where multiple GNSS frequencies are used the ionospheric error can be additional to react the terms of the terms of the operational baseline length.
positioni market o C-ITS tec	ining the innovative solutions in the current RTK SW from Waysure with features of Galileo signals from Fraunhofer solution and extending it with ng augmentation provided by the UWB ranging solution from Ceit-IK4, PRoPART will be able to deliver an emerging solution for the future mass if autonomous road transport. The requirements supplied by Scania and development of a collaborative autonomous lane change application usin hnologies (e.g. V2X) from Commsignia and sensor data fusion tools from Baselabs will secure that the PRoPART positioning solution will fulfil the the end user.
[1] https	//www.media.volvocars.com/global/en-gb/media/pressreleases/45468
	sson-Hellman, M. Lindman. "Real-World Performance of City Safety Based on Swedish Insurance Data," 24th International Technical Conference on nced Safety of Vehicles (ESV). No. 15-0121, Gothenburg, Sweden, June 8-11, 2015.
	Coordinated by
oPART	





3.2 News

Any news related to the PRoPART project will be posted in this section, either prepared internally by the consortium or any external news linked to the project topic.

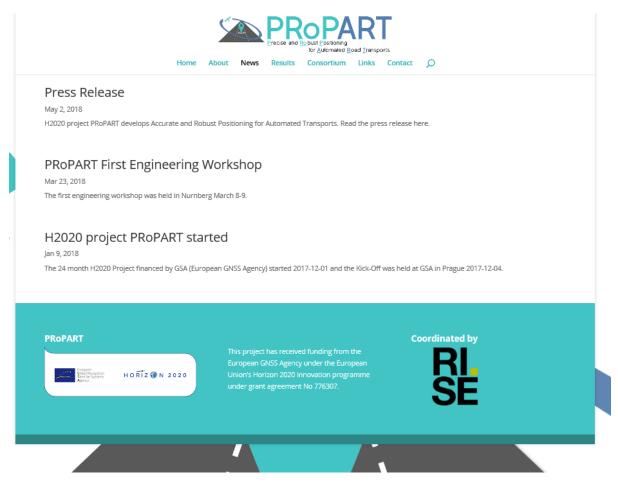


Figure 3 Screenshot: News tab





3.3 Results

Within this section different public documentation will be posted, keeping the website updated with the results obtained. This section is divided into 4 tabs: Deliverables, Exploitable Project Results, Scientific Papers and Conferences and Events. In particular, the following materials are considered to be uploaded in this section:

- Project public deliverables
- Project results
- Public Scientific Papers

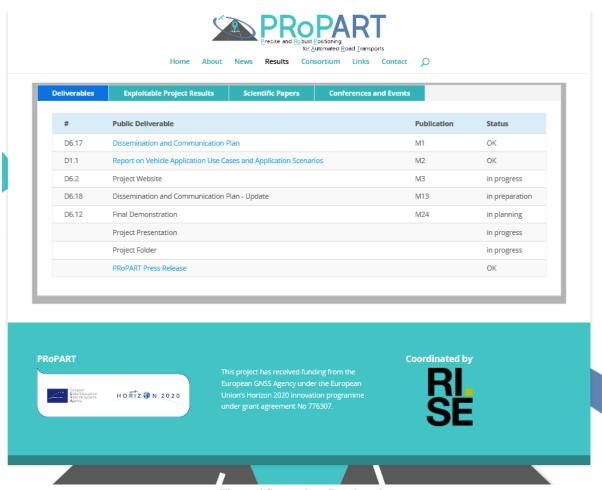


Figure 4 Screenshot: Results tab





3.4 Consortium

Information about the consortium partners with a description of their roles, their entity and links to their webpage as well as information and links to different Stakeholders.

Innovative	ome About News Results	Popularing or Automated Boas Transports Consortium Links Contact O Perception on- board and Cnd-user vehicle	Test and
technology soluti	RTK pottioning mages and RSUs Waysure COmmsignia	BASELABS Data Fusion Results	Validation platforms
Consortium members		Stakeholders	ACTIVE SAFETY TEST AND
AstaZero	•	Target Customers	•
Baselabs	•	Technical and Scientific Audience	•
Ceit-IK4	•	Policy makers	٥
Commsignia	•	Standardization Bodies and Advisory Grou	ps
Fraunhofer IIS	•	General public	•
RISE	•		
Scania	•		
Waysure	•		
PROPART	This project has received European GNSS Agency Union's Horizon 2020 int under grant agreement (under the European novation programme	

Figure 5 Screenshot: Consortium tab





3.5 Links

Within this section, links to relevant pages e.g. organizations, projects etc, can be added for reference.

	Home About	t News Results	Consortium	Links Conta	ct O	
Links						
The European GNSS Agency (GSA) H2020 Projects:					
growth and competitiveness, by:		_				ns of benefits to users and econom
 Designing and enabling service Managing the provision of qua 				-	55 services ar	nd Infrastructure;
 Engaging market stakeholders 	-				hnology that	promote the achievement of full
European GNSS adoption; • Ensuring that European GNSS :						
· Ensuring that European GNSS:	services and operations a	ire thoroughly secure,	sale and accessic	ne.		
European Global Navigation	HORIZ	N 2020				
Satellite Systems Agency	HORIZ U	11 2020				
http://www.gsa.europa.eu/gnss-ł	12020-projects					
						Coordinated by
PRoPART						RI_
PRoPART						
	GN 2020					SE
	G N 2020					SE

Figure 6 Screenshot: Links tab







3.6 Contact

This section provides links to the project coordinator, the project sponsor as well as the website administration.

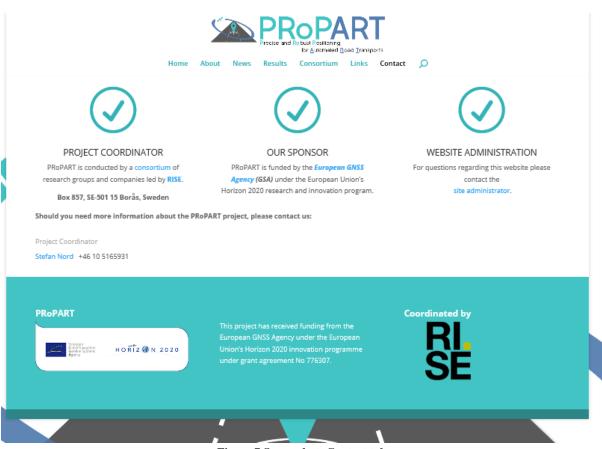


Figure 7 Screenshot: Contact tab

