



Project acronym: **RAMSSES**  
Project full title: **Realisation and Demonstration of Advanced Material Solutions  
for Sustainable and Efficient Ships**  
Grant agreement No.: **723246**  
Coordinator: **CETENA - Centro per gli Studi di Tecnica Navale**



## **Deliverable 05.5**

### **Project Video**

**November 2021**

Dissemination level: **Public**

## Abstract

This deliverable reports on the production process of all five RAMSSES videos, which had been produced during the time of the project. It especially focuses on the final stage of the project, where several demonstrators and results of the project could be presented.

Please provide an abstract of the document here. The abstract should be maximum one page long and cover:

- The research problem addressed
- Research methods used
- Results
- Conclusions and recommendation



*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723246*

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## Document data

Document Title:	D05.5 – Project Video		
Work Package(s):	WP05 – Dissemination and Sustainable Network		
Related Task(s):	T05.1		
Dissemination level:	Public	Deliverable type:	Report/Website
Lead beneficiary:	02 – Center of Maritime Technologies		
Responsible author:	Matthias Krause		
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Date of delivery:	30.11.2021		
Circulation:	<input type="checkbox"/> WP Partners <input type="checkbox"/> Cluster Manager	<input type="checkbox"/> Steering Group <input type="checkbox"/> Team Quality Assurance (TQA)	<input type="checkbox"/> EC
References:	D06.6 (final PUDF)		
Approved by TQA	By Arthur-Hans Thellmann on 01.11.2021	By Brendon Weager on 30.09.2021	By Carlo Cau on 25.10.2021

## Involved partners

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## Document history

Version	Date	Prepared by	Description
0.0	2021-08-05	CMT-SSC	Deliverable structure and initial draft
1.0	2021-08-26	CMT-MK	Draft for review
2.0	2021-11-08	CMT-MK	Final version for submission

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## List of symbols and abbreviations

CMT	Center of Maritime Technologies gGmbH
E-LASS	European Network for Lightweight Applications at Sea
PUDF	Plan for Use and Dissemination of Foregrounds
WP	Work Package
...	

## 1 Executive summary

### 1.1 Problem definition

In order to inform the public effectively about RAMSSES's mission, activities and achievements, a dissemination and communication strategy was put in place (Deliverable D06.1 *1<sup>st</sup> official draft of PUDF and Business Plan*). The production and publication of a project video was one of the elements of the dissemination strategy. Videos have proven to be an effective means to improve the visibility and perception of R&D&I projects. However, the RAMSSES consortium faced a couple of challenges:

- Complexity of the RAMSSES project and variety of messages to be conveyed – According to visual habits, a project video's duration should not exceed ca. 5 minutes. Creating a general RAMSSES video which meets all demands was nearly impossible.
- Limitation of other means of dissemination – Due to the COVID-19 pandemic, there was less opportunity to have face to face interaction on trade shows, conferences, public workshops etc. Thus, some of the dissemination activities could not be performed in the full extent that had been planned originally.
- Late availability of videos – In previous projects, it was often felt a pity that project videos were only available at the very end, thus only allowing to promote the final conference but none of the preceding events. A more continuous output of videos over the project's duration would be welcome.

### 1.2 Technical approach

A total of nine videos was produced, each of them being a result of teamwork between several project partners. Five videos were directed by CMT, the leader of the Work Package 05 which is dedicated to dissemination. Four additional videos were directed by different project partners. CMT was consulted during the preparation phase of those videos as well, and a professional production company took care of cutting, subtitling, animation effects, background music, speakers, which ensured a similar appearance of the videos and their high quality standard.

### 1.3 Results and achievements

RAMSSES videos (<https://youtube.com/playlist?list=PLc-BIKa-K-b5jLjhnL1ACcVFYW2K0jw80>):

- Composite materials used in car carriers (WP14)
- General video of the RAMSSES project (all WPs, particularly 09, 11, 12, 19, 20, 21)
- Development of a custom made composite hull (WP17)
- Component suppliers and shipyards working effectively together (WP10, 13, 14, 15, 18)
- The Smart Track to Approval in a nutshell – (WP06 et al)
- Composite material assembly for ship superstructures (WP16)
- 3D metal manufacturing of ship propellers (WP11)
- Production of the second hollow propeller blade (WP11)
- Special resin for large structures produced using vacuum infusion (WP17)

### 1.4 Contribution to RAMSSES objectives

As explained, the videos contribute to the project's dissemination and communication strategy.

### 1.5 Exploitation and implementation

n/a

## 2 Project videos

Main author of the chapter: Sabine Schilling, CMT

Several short videos (approx. 2...6 minutes length) were produced during the RAMSSES project. They can be distinguished in two groups:

The first group is a series of five videos which were directed by CMT. They explain the motivations for the work done, and developments achieved in the project. Although some of the videos are having a closer look at the activities of some selected partners, the aim was always to create an understanding of the entire project.

The second group comprises four more videos which were directed by other partners, in collaboration with CMT. Those films dive deeper into the activities of some the Work Packages, and they give impressive examples of the immense efforts and excellence of work behind all the achievements.

All the videos were shared on YouTube on a dedicated RAMSSES channel, on the RAMSSES website, on the LinkedIn RAMSSES channel and through the partners networks.

- Link to the YouTube playlist:  
<https://youtube.com/playlist?list=PLc-BIKa-K-b5jLjhnL1ACcVFYW2K0jw80>
- Link to the videos section on the project website:  
<https://www.ramsses-project.eu/videos/>

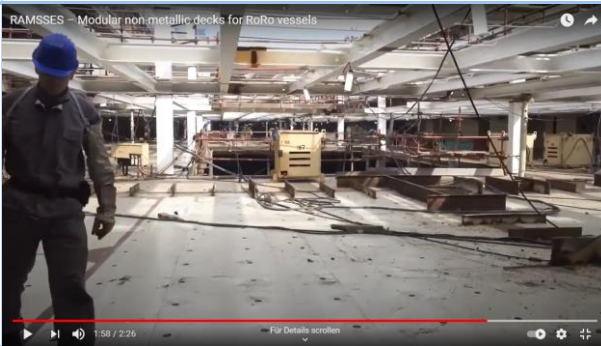

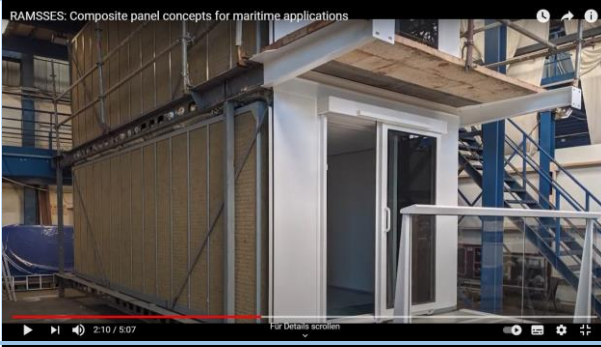
### 2.1 Videos directed by CMT

The production of the videos in the first group was directed by CMT in accordance with all project partners. The media agency Vivavision from Oldenburg, Germany, was commissioned with the production of the videos. All the videos in the first group come in a similar style regarding graphics and animation, background music etc.

The footage for the first demo case video took place at Uljanik Shipyard in Pula and 3. Maj Shipyard in Rijeka during the second General Assembly and the E-LASS industry tour. During the 7<sup>th</sup> RAMSSES General Assembly which took place in Germany, interviews were conducted with all WP leaders to be used for the production of further videos. Storyboards were developed for each video which structured the scenes, visualized the pictures needed and determined the roles of the different project partners included. A script provided the main concept of the videos, which was a basis for the voiceover and connected selected parts from the interviews with the project partners. Additional footage was collected from the consortium. To illustrate the general maritime topic, additional footage of ships, demonstrations and working scenes from their companies were provided. A graphic designer produced motion graphics to illustrate scenes which explain the Smart Track to Approval.

Results, including a short description and a screenshot of each video, and the related Youtube link, can be seen in Table 1.

Table 1: RAMSSES videos that were directed by WP05/CMT

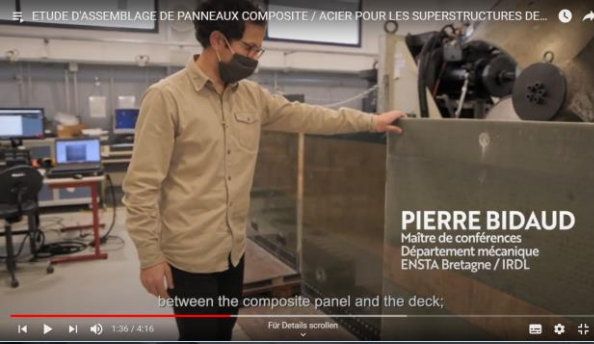

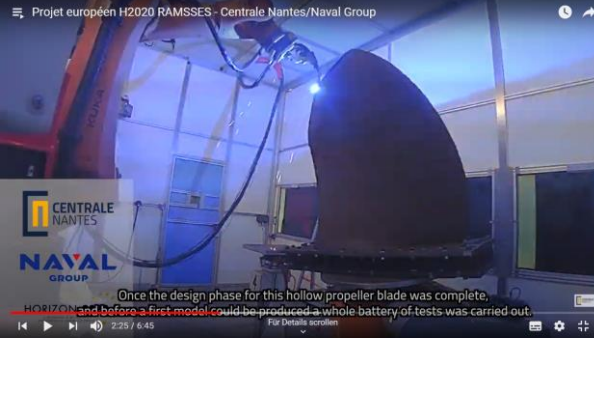
Description	Impression
<p>The first demo case video showcases the feasibility and merits of using lightweight materials in merchant ships (here: car carriers).  <a href="http://www.youtube.com/watch?v=QVZG9wVDmVg">www.youtube.com/watch?v=QVZG9wVDmVg</a></p>	
<p>The general video of the RAMSSES project provides an overview of the project with its scope, main objectives and most important elements.  <a href="http://www.youtube.com/watch?v=RGoOcDqkVRc">www.youtube.com/watch?v=RGoOcDqkVRc</a></p>	
<p>A video dealing with the achievement of the WP17, which realized the development of a custom made composite hull – one of the most sophisticated pieces of work in the project.  <a href="http://www.youtube.com/watch?v=SB7_abeNRRl">www.youtube.com/watch?v=SB7_abeNRRl</a></p>	
<p>Another video covers the development of five demo cases based on an integrated and fire safe lightweight panel system for maritime use that were developed and tested within the project – this video exemplifies the cross fertilisation and technology transfer between technology providers and shipbuilders.  <a href="http://www.youtube.com/watch?v=xwUreA03tbo&amp;t=2s">www.youtube.com/watch?v=xwUreA03tbo&amp;t=2s</a></p>	
<p>A video on the Smart Track to Approval illustrates the elaborated concept to enable composite materials within the maritime industry.  <a href="http://www.youtube.com/watch?v=3_rfxm3DoVA">www.youtube.com/watch?v=3_rfxm3DoVA</a></p>	



## 2.2 Videos directed by other partners

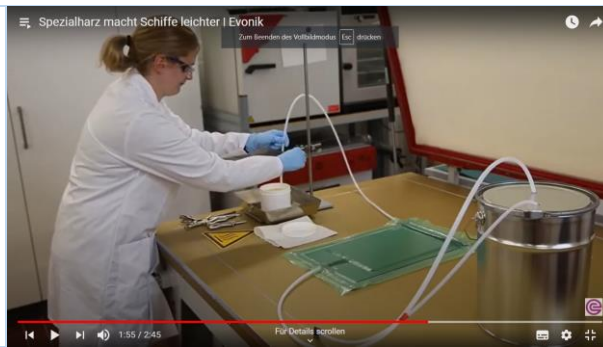
It is greatly appreciated by CMT and the WP05 team that other partners took the initiative to produce own RAMSSES videos in addition. Discussing more in detail the aspects of activities in particular Work Packages, these pieces of work are an excellent addition to the videos in the first group. Table 2 provides information about each of the videos in the second group. Most of these videos were co-produced by CMT, thus having a similar style as those directed by CMT.

Table 2: RAMSSES videos that were directed by other partners, with support from WP05/CMT

Description	Impression
<p>ENSTA Bretagne: Study of composite material assembly for ship superstructures</p> <p><a href="http://www.youtube.com/watch?v=EjHatFx0BW4&amp;list=PLc-BIKa-K-b5jLjhnL1ACcVFYW2K0jw80&amp;index=1">www.youtube.com/watch?v=EjHatFx0BW4&amp;list=PLc-BIKa-K-b5jLjhnL1ACcVFYW2K0jw80&amp;index=1</a></p>	
<p>ENSTA Bretagne: 3D metal manufacturing of ship propellers – Analysis of the mechanical properties of a hollow metal blade</p> <p><a href="https://www.youtube.com/watch?v=5FHejypT1SA&amp;list=PLc-BIKa-K-b5jLjhnL1ACcVFYW2K0jw80&amp;index=5">https://www.youtube.com/watch?v=5FHejypT1SA&amp;list=PLc-BIKa-K-b5jLjhnL1ACcVFYW2K0jw80&amp;index=5</a></p>	
<p>ECN: Collaboration between Naval Group and Centrale Nantes on the production of the second hollow blade using additive manufacturing. Interview with Patrice Vinot, Head of the RAMSSES project propulsion package at Naval Group, and Jean-Yves Hascoët, University Professor, Head of the Rapid Manufacturing Platform at Centrale Nantes and international expert in additive manufacturing.</p> <p><a href="http://www.youtube.com/watch?v=fa4koyZ36F4&amp;list=PLc-BIKa-K-b5jLjhnL1ACcVFYW2K0jw80&amp;index=7">www.youtube.com/watch?v=fa4koyZ36F4&amp;list=PLc-BIKa-K-b5jLjhnL1ACcVFYW2K0jw80&amp;index=7</a></p>	

Evonik: *Spezialharz macht Schiffe leichter*

[https://www.youtube.com/watch?v=vqe\\_XD0fFi4&list=PLc-BIKa-K-b5jLjhnL1ACcVFYW2K0jw80&index=6](https://www.youtube.com/watch?v=vqe_XD0fFi4&list=PLc-BIKa-K-b5jLjhnL1ACcVFYW2K0jw80&index=6)



### 3 References

n/a

## 4 Indexes

### 4.1 Index of tables

Table 1: RAMSSES videos that were directed by WP05/CMT ..... 8

Table 2: RAMSSES videos that were directed by other partners, with support from WP05/CMT ..... 9

### 4.2 Index of figures

n/a

## 5 Annexes

### 5.1 Annex A: Public summary

n/a – Since the Deliverable is public, no public summary is provided.