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Customized photonic devices for defectless laser-based manufacturing

CUSTODIAN

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Communication Kit

Work Package 6

WP6 - Exploitation, dissemination and training

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Executive Summary

	This document explains in a summarized way the different
Abstract	steps of the task we have carried out to update the
	communication kit for the Custodian project. In this sense,
	we have made a description of the graphical aspects of each
	one of the documents that our kit includes. It is important
	to note that the communication elements will evolve during
	the project.
Keywords	Flyer, roll up, poster, laser.

Revision history

Version	Author(s)	Changes	Date
1.0	Sabine Runge		23.09.2020
2.0	Sabine Runge	Updated PPT slides	24.09.2020





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1. ABSTRACT

This document explains in a summarized way the different steps of the task we have carried out to update the communication kit for the Custodian project. In this sense, we have made a description of the graphical aspects of each one of the documents that our kit includes. It is important to note that the communication elements will evolve during the project.

Key words: shape your laser, flyer, roll up, poster, presentation slides.

2. INTRODUCTION

According to the project, the Custodian Communication Kit provides the project with basic communication tools that will be useful to communicate and disseminate the progress and results. Besides, the communication kit offers strategies and resources contributing to make an effective communication and dissemination of the different actions and results within the framework of the project. The elements of the Communication Kit are regularly updated in order to stay up to date with the project development, terminology and design.

The activities of communication, dissemination and exploitation of results are oriented to show the work done, making public the successes and results of the project, and therefore maximizing its impact. The tools created in this communication kit are used to attend international and national events (congresses and exhibitions) related with both, photonics, and manufacturing domains.

3. UPDATED COMMUNICATION KIT ELEMENTS

There are different elements included in the Communication Kit that have been updated since their first release due to changes of Partner Logos, design improvements, updates of technological terminology or replacement of pictures.





The updated elements are:

- Newsletter
- Flyer
- Roll up
- Poster
- Presentation slides

All the elements do include the CUSTODIAN logo as the *project brand* and a footer showing that the project has been funded by the EC and is part of the Photonics Public Private Partnership initiative.



The logos are included at the bottom of each element and the partner's logo of Magneti Marelli has been updated to the new logo of Marelli:



All images related to the project do always follow a common line transmitting different aspects of the essence of CUSTODIAN (applied research to industry, high tech, precision, etc.). Part of these images have been bought from a professional gallery of images to respect





intellectual property rights. Moreover, the project partners AIMEN, AIDIMME, NIT and PRECITEC offered new images of their own databases as certain replacements to represent all technological processes involved in CUSTODIAN (LBW, PBF-LB/M and LC) and to personalize the presentation with pictures of collaborative partner meetings and the first project outcomes.

3.1 NEWSLETTER

The newsletter design has been updated, adapting the header to the design of the previously created project poster. The basic structure consisting of a title, brief project description, project news, upcoming events, a brief section about who we are and our contact has been maintained. However, for the first edition an additional section about the project launch followed the brief project introduction. Moreover, we added a call-to-action-button at the end saying "Subscribe to our CUSTODIAN Newsletter here", where readers have the chance to sign up for future newsletters, as we also promoted it in the project's social media channels. Last but not least, the footnote has been updated with all necessary copyright notifications, EU disclaimers, contact details and unsubscribe options in order to meet the legal restrictions.



Custodian involves 10 entities focused on industrial laser solutions to develop a new and disruptive methodology in the baser-based manufacturing applications for sections the submodres, invergy and seves-paids sector. The idea of the project is to create a methodology of application-driven later beam, by tailing the internal electratructure and deploying the learn to solve hot-cracking in LEMF (Laser Boarn wetting) and LMSF (Laser Powder Bod Fusion).



Project Launch

Custodian has been launched in December 2018, it is the first project sened at valuing this unique capacity of this laser to reake a personalized energy contribution to this resids of reviews, is seek that, at present, is not possible with

What happened so far?



MWIR camera installation in LPBF technology for melt pool monitoring and closed loop control

The Custodian partners got a step closer to their aim of creating a methodology of application-driven laser beam, by tailoring the material microstructure and deploying this beam to solve hot-cracking in LBW and LPBF.

Read more



Third consortium meeting in Vienna after first project year

In December 2019, the Custodian partners organised the third conscritum project meeting in Vienna, Austria, hosted by our project partner TU Wien.

Read more



AIMEN and NIT visit AIDIMME's facilities for laser tests and characterizations

Our CUSTODIAN partners David Diego from AIMEN and Germán







Upcoming events



Webinar - 22 June 2020

Meet the Custodian Partners and find out more about industrial laser solutions for better efficiency and lower cost.

Click here

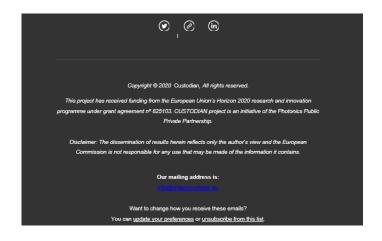
What is Custodian?

A laser research project to achieve better efficiency and lower cost

Continuous-wave (CW) lasers are sources that continuously pump and emit light and we can employ them in the automotive, aerospace and energy industries as well as the medical sector. They provide great benefits in manufacturing such as high efficiency and speed. Nevertheless, high energy concentration not always is the best possible ally, because it can generate very fast cooling rates and generate brittle structures. An example is hot cracking.

Read more

Subscribe to our CUSTODIAN Newsletter here



3.2 FLYER

The flyer has been updated with the new Marelli logo and the correct terminology for PBF-LB/M instead of SLM, as initially indicated.





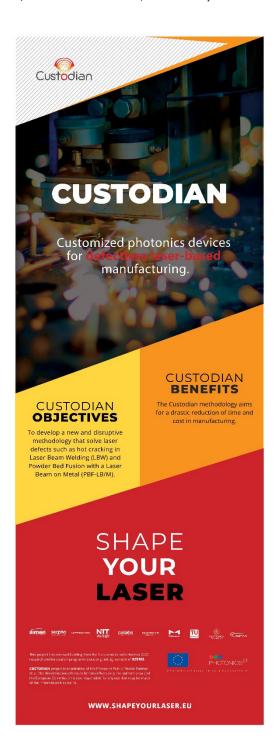
Frontal Back





3.3 ROLL UP

The roll up has been updated with the new Marelli logo and the correct terminology for PBF-LB/M instead of SLM, as initially indicated.







3.4 POSTER

The poster has been updated with the new Marelli logo and the correct terminology for PBF-LB/M instead of SLM, as initially indicated.



3.5 PRESENTATION SLIDES

The general project presentation about CUSTODIAN to be used for external events, has been updated with the new Marelli logo and the correct terminology for PBF-LB/M instead of SLM, as initially indicated. In addition, certain images have been replaced as requested by the technological project partners to represent all technological processes involved in CUSTODIAN (LBW, PBF-LB/M and LC). Finally, the content of some slides was updated to describe the technological challenges and benefits of the CUSTODIAN methodology and outcomes in a more complete way. The initial presentation was rather focusing on solving hot cracking in Laser Beam Powder Bed Fusion (PBF-LB/M), while the updated version also includes increasing quality and productivity in laser beam welding (LBW) and laser cutting.







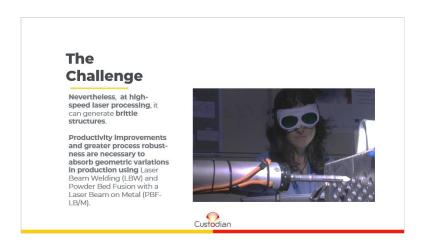
New image by NIT – slide 3:



■ New image by AIDIMME – slide 4:



New image by AIMEN & updated text – slide 5:









New image by PRECITEC – slide 6:



■ New image by PRECITEC & updated text – slide 7:



New image from visit of AIMEN & NIT at AIDIMME facilities – slide 8:





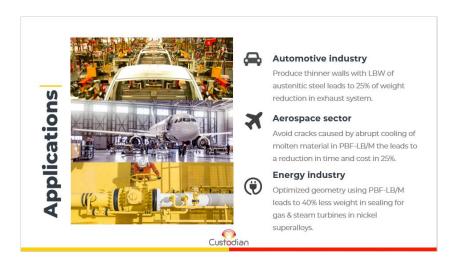




New image from visit of NIT at AIDIMME facilities & updated text – slide 10:



New image by PRECITEC – slide 12:



Updated Partner Logos – slide 13:







4. CONCLUSIONS

To finish the explanation about the creation of this communication kit, it is important to repeat that the communication elements will further evolve during the project. New communication elements are foreseen once the CUSTODIAN technology has been finalized towards the end of the project, demonstrating the project methodology and results. Additional communication materials might be created upon request for specific dissemination activities, if needed.