AM (L-PBF) Machine Evaluation Initiative					
WG Name	**Additive Manufacturing**	**Chair**	**Ulli Klenk (Siemens Energy)**	**Co-chair**	**Jan De Roos (Shell)**
Project lead	**Stian Saltnes Gurrik (DNV)**				
Core team	Sarah Myerscough (DNV); Mikkel Pedersen (Oerlikon); Ludo Bautmans (Oerlikon); Scott Lockyer (Uniper); Jon Runyon (Uniper); Yogiraj Pardhi (Sulzer); Charles Soothill (Sulzer); Steve Nardone (Engie); Ulli Klenk (Siemens Energy); Vladimir Navrotsky (Siemens Energy); Jan De Roos (Shell); Gisle Rørvik (Equinor); Bobby Noble (EPRI); John Scheibel (EPRI)				
ETN officer	Rene Vijgen, Nicolò Cairo				

Initiative description

Scope definition

ETN has hosted a consortium to carry out a study of Additive Manufacturing (AM) machine producers (machine OEMs) to better understand the capabilities and boundaries of the technology.

Objective setting

The study intended to investigate similarities and differences between execution and results when several AM producers were asked to manufacture the same parts, all using the same powder feedstock as basis.

Expected outcome

The involved manufacturers will be manufacturing parts with Nickel Alloy 718 powder, according to specifications defined in collaboration with members of the ETN Additive Manufacturing Working Group. The parts to be produced include features of specific interest to the energy sector, such as thin walls and cooling channels. Performance, quality and productivity are key elements that will be evaluated.

Implementation of the activities

Project execution

DNV is assigned as the project manager. The consortium members actively contribute to the consortium. The consortium is organised under the ETN embralla. .

Project finances

The project (165 kEURO) is funded by the participating members of the consortium

Meeting schedule and dissemination

Within the consortium all Documentation is transparently distributed via share point.
A full report will be issued to the consortium members only (restricted)
A synopsis of the report will be issued to ETN members and is public available

Deliverables & Milestones			
Deliverable 1	Final consortium Report	**Timing**	28-02-2024
Explain briefly.			
Deliverable 2	Public report	**Timing**	19-03-2024
Explain briefly.			
Milestone 1	Project start	**Start date**	xx-07-2021
Explain briefly.			
Milestone 2	Project end	**End date**	28-02-2024
Explain briefly.			