



## **TANDEM**

*Research and Innovation Action (RIA)*

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Atomic Energy Community ('EC-Euratom'). Neither the European Union nor the granting authority can be held responsible for them.

Start date : 2022-09-01 Duration : 36 Months



---

**Open Source**

---

Authors : Dr. Stefano LORENZI (POLIMI)

TANDEM - Contract Number: 101059479

Project officer: Angelgiorgio IORIZZO

Document title	Open Source
Author(s)	Dr. Stefano LORENZI
Number of pages	1
Document type	Deliverable
Work Package	WP2
Document number	D2.4
Issued by	POLIMI
Date of completion	2024-10-29 12:31:25
Dissemination level	Public

---

### Summary

the development of an Open-Source ?TANDEM? model library aimed at simulating the behavior of power plants, systems and components, including SMRs, and needed to analyse the hybrid systems

---

### Approval

Date	By
2024-11-07 15:55:54	Dr. Stefano LORENZI (POLIMI)
2024-11-07 20:03:50	Dr. Claire VAGLIO-GAUDARD (CEA)

---

August 19<sup>th</sup>, 2024.

From: Stefano Lorenzi  
Leader of deliverable D2.4  
Politecnico di Milano  
Email: stefano.lorenzi@polimi.it  
Phone: +39 02 2399 3814

## Delivery of the Open Source “TANDEM” library

To: Mr Angelgiorgio Iorizzo - Project Officer, European Commission

Dear Mr Iorizzo,

As part of the activities of Work package 2 of the TANDEM Euratom project, we hereby formally deliver the Open Source "TANDEM library", corresponding to deliverable D2.4. This library brings together all the Modelica-based models of hybrid energy system components developed during the project. The library version is v1.0.

The library is accessible in a Git repository at <https://gitlab.pam-ret.d.fr/tandem/tandem>

The various models collected in the repository are described in deliverable D2.3.

If you have any further questions regarding the delivery of the library, please do not hesitate to contact Stefano Lorenzi and Claire Vaglio-Gaudard, respectively as WP2 leader and coordinator.

Best regards,



Stefano Lorenzi

For the validation of the deliverable:



Claire Vaglio Gaudard