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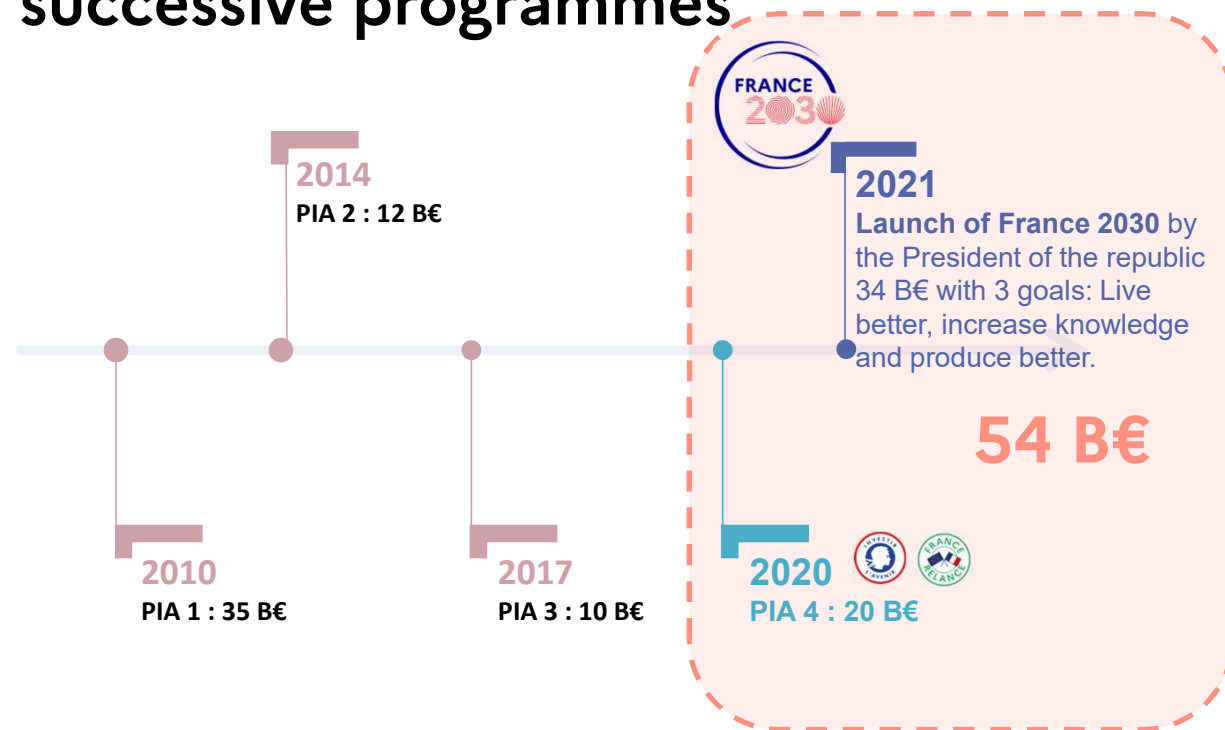
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THE FRENCH STRATEGY FOR THE EMERGENCE OF A LARGE-SCALE FLOATING OFFSHORE WIND POWER GENERATION INDUSTRY



FRANCE 2030 carries on the action of the programme « Investment for the future »

10 years experience, 4 successive programmes



The drivers

- 50% of budgets targeted towards **decarbonisation**
- 50 % of budgets devoted to **emerging players**
- **Accept risk and failure**
- Investments target **Innovation AND Industrialisation**

Renewable energies are a key priority of France 2030

A long term strategy devoted to renewable energies and energy systems based on:

- ✓ **Innovation** : targets **photovoltaic, floating off-shore wind, and energy systems**, 3 domains at the heart of the energy transition, demonstrating a high potential for a renewed economy and society
- ✓ **Industrialisation** : Investment projects in new production capacities of renewable energy solutions and energy networks → **Produce in France solutions for a large scale deployment of ReN**

→ Budget : ~1 B€

The floating offshore windmill is a major strand of the French energy transition

In February 2022, the President of the republic depicts the key orientations retained for the French energy transition

- ✓ GHG emissions need to be dramatically reduced: 55% reduction by 2030 and carbon neutrality reached by 2050



- ✓ Energy efficiency : 40% reduction of energy consumption by 2050
- ✓ Electrification : Increase by 60% the electricity production by 2050



- ✓ The electricity generation is based on both nuclear and renewables:
 - ✓ Construction of 6 EPR2 (optional 8 to follow)
 - ✓ Multiply by 10 the installed PV capacity by 2050 (>100GW)
 - ✓ **Offshore wind energy generation will reach 40 GW by 2050 (50 offshore wind farms)**

- **France is in a good position to address the emerging floating offshore wind market**: 4 out of 8 pilot farms running in 2025 will be French, nacelle, blades, substations production sites located on the French territory...
- **French calls for tenders**: 3x250 MW to be assigned, 3x500 MW to be launched in the short term.
- Call for tenders are expected in Europe and all over the world

France 2030 supports innovation in the field of floating offshore wind turbine

✓ **Innovation is a key lead** to enable the **reduction of the LCOE**, decrease the **environmental footprint** and address the **societal acceptance**.

→ Support programs launched to accelerate innovation from **fundamental research** to **demonstration of pre-commercial solutions**

France 2030 aims at supporting the emergence of a new floating offshore wind industry in

Goal is to create the facilities for the production of the floating structures and the integration of the turbines on both coastlines (Atlantic-Channel and Mediterranean) in order to (1) **supply farms** under construction in France and beyond, (2) **create and perpetuate jobs** in French harbours and contribute to their **ecological transition**

- **Support the structuring and coordination of harbours** toward these emerging industrial activities (development of infrastructures, organisation of activities, coordination at the scale of a coastline,...)
- **Support the structuring of industrial projects** (factories, assembly yards,...)
- **Strengthening training and professional retraining** to support the rise of the sector

Financial support for industrial initiatives in the field of floating offshore wind

Call for Interest

Aim is to identify projects for the implementation of factories, assembly lines and support feasibility studies

Intermediate deadline: 30/06/2022

Closing date: 15/10/2022

<https://agirpoulatransition.ademe.fr/entreprises/aides-financieres/20220412/appel-a-manifestation-dinteret-developpement-filiere-industrielle>

Call for project

The purpose of this call is to support productive industrial investments (factory creations, assembly lines)

Intermediate deadline: 30/06/2022

Deadline for floating offshore wind : 2023

<https://agirpoulatransition.ademe.fr/entreprises/aides-financieres/20220210/aide-a-linvestissement-loffre-industrielle-energies-renouvelables?cible=79>

Support targeting the transition of harbours towards the floating offshore wind activities

Call for interest

Aim is to identify and make possible the emergence of harbour projects willing to adapt their infrastructures to host offshore wind industrial facilities.

Intermediate deadline: 30/06/2022

Closing date: 15/10/2022

<https://agirpoulatransition.ademe.fr/entreprises/aides-financieres/20220411/appele-a-manifestation-dinteret-developpement-infrastructures-portuaires>

Following stage: support the emergence of the new infrastructures



Action to be implemented as a follow-up of the call for interest



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THANK YOU