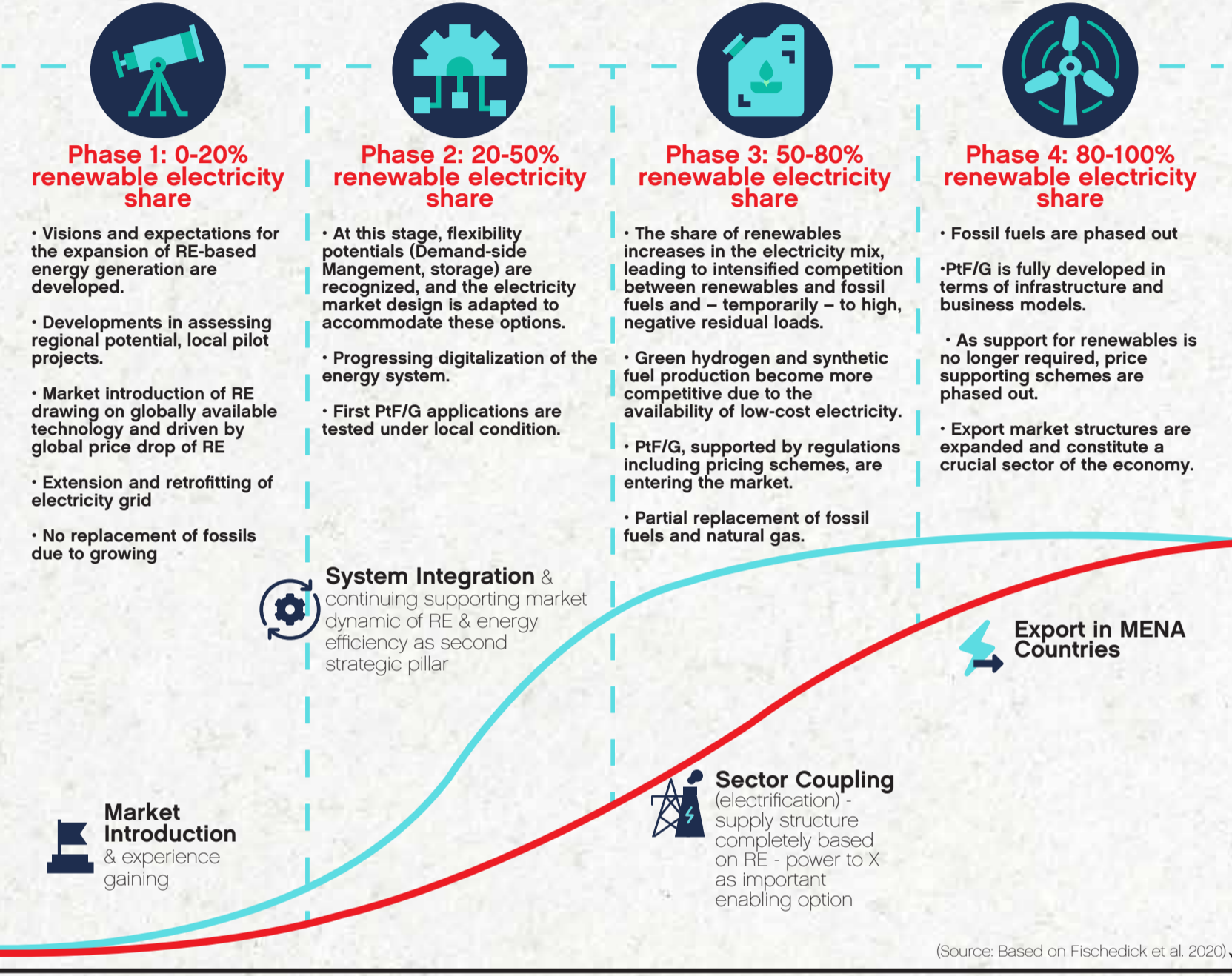


# APPLICATION OF A PHASE MODEL FOR THE SUSTAINABLE TRANSFORMATION OF LEBANON'S SYSTEM

The Phase Model provides an overall framework which structures the process of energy transition over time through the differentiation of a set of subsequent phases of the transition process.

## THE FOUR PHASES IN THIS MODEL INCLUDE:

Take-off Renewable Energy    System Integration    Power-to-Fuel/Gas    Towards 100% Renewable



## WHERE DOES LEBANON STAND?

	Niche level before phase 1 (Take-off)	Phase 1: Take-off	Niche level before Phase II (system integration)
<b>Supply</b>	Assessment for RE Potential	RE does not replace fossil fuels	Assessment of regional potentials of different flexibility options
<b>Demand</b>	Local experiments with RE	Fundamental recognition that energy efficiency is the second strategic pillar of the energy system transformation	Effort to accelerate efficiency improvements    Experiments with flexibility options
<b>Infrastructure</b>		Extension & retrofitting of electricity grid    Transnational efforts for grid expansion	Exploration of business models around flexibility including ICT startups & new digital business models for sector coupling
<b>Market/ Economy</b>	Development of visions for RE extensions	Market introduction of RE    Regulations & price schemes for RE	Development of visions for flexmarket & energy system integration (regional & transnational energy markets)
<b>Society</b>	Formation of RE related actor networks	Increasing awareness of environmental issues	Formation of actor networks around flexibility across electricity, mobility heat sectors

Completed    In-Progress/Planned    Next Steps

Information included in this infograph are extracted from the report: Sustainable Transformation of Lebanon's Energy System, Development of a Phase Model available here

**According to the MENA phase model, Lebanon can be classified as being in the early stage of the first phase of the energy transition towards renewables.**