



ندوة الطاقة السعودية المستدامة
SAUDI SUSTAINABLE ENERGY SYMPOSIUM
VALUE LOCALIZATION SERIES • حلقات توطين القيمة

Path Towards Value Chain Localization

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الذرية والمتجددة K.A.CARE





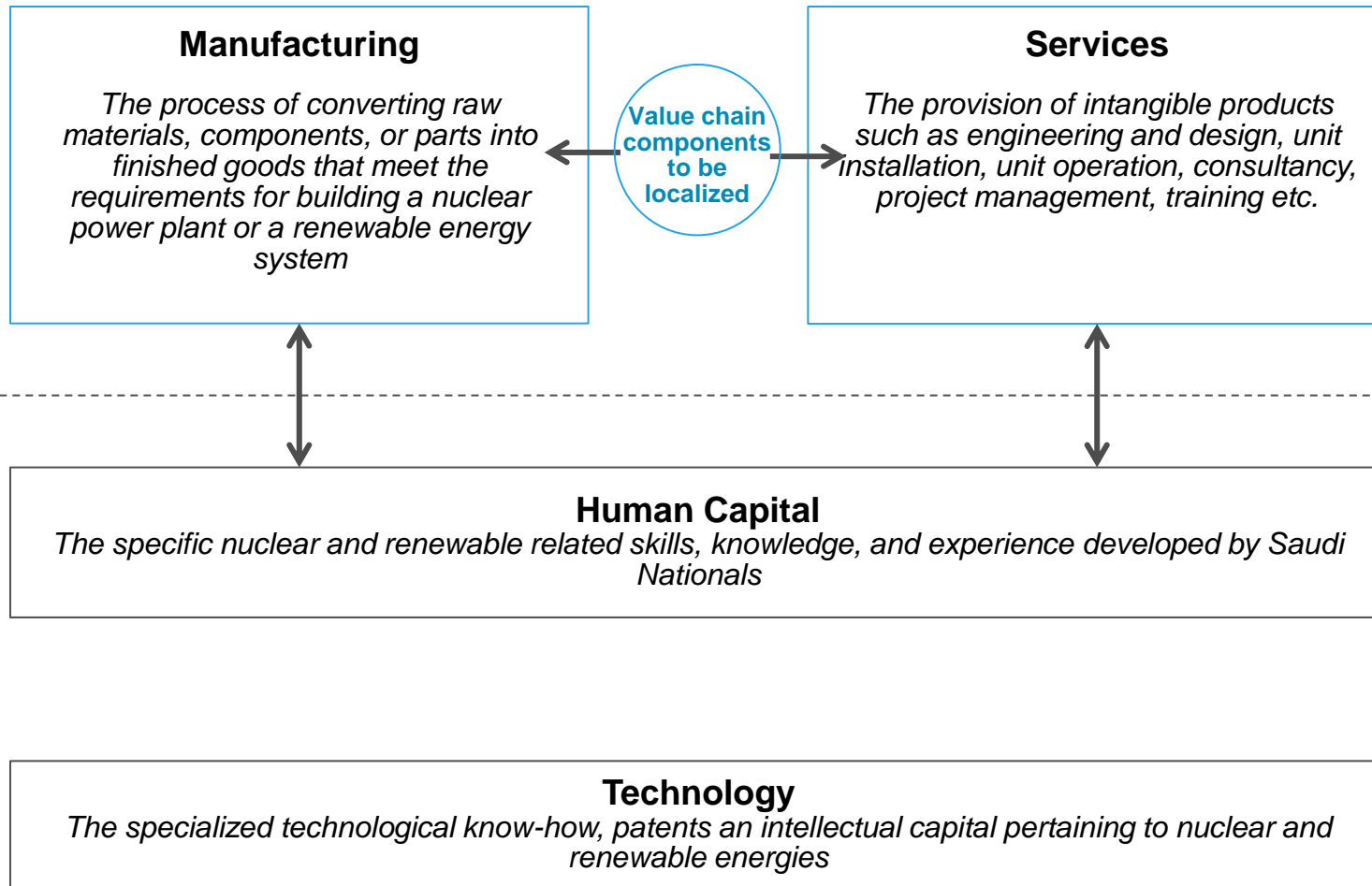
Localization Scope

The localization scope will encompass manufacturing and services value chain components as well as human capital and technology



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Localization Scope – Value Chain Components and Enablers





Localization Scope

Of the manufacturing and services value chain components, there are 12 potential localization opportunities in the nuclear sector and 15 in the renewable sector



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Localization Scope – Nuclear and Renewables Value Chain Components



Manufacturing

Nuclear opportunities

- *Uranium Mining*
- *Fuel Fabrication*
- *Piping*
- *Pumps*
- *Valves*
- *Non Nuclear Grade Components*



Services

- *R&D Design (reactor design)*
- *Engineering*
- *Construction Management*
- *Operation and Maintenance*
- *Radioactive Waste Management*
- *Spent Fuel Management*

Renewable opportunities

- *Curved Mirrors*
- *Absorber Tube*
- *Collector*
- *Flat Mirrors*
- *Heliostat*
- *Thin Film Modules*
- *HCPV Modules*
- *Wind Blades*
- *Wind Towers*
- *Polysilicon*
- *Cells*
- *Modules*

- *EPC Activities (services)*
- *O&M Activities*
- *Pilot Testing*



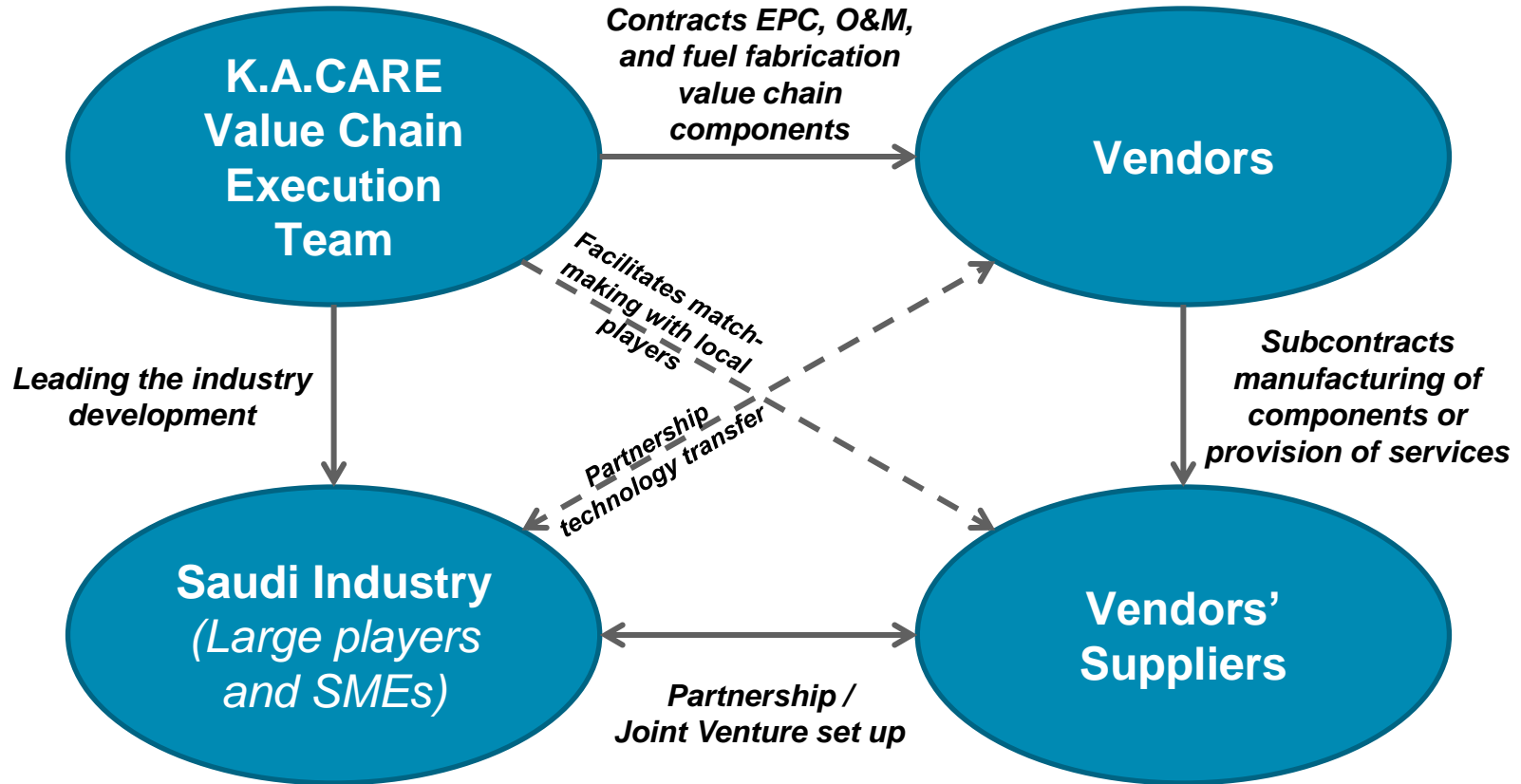
Role of K.A.CARE

K.A.CARE's value chain execution team will coordinate with 3 key entity types; vendors, companies within the Saudi industry and vendor suppliers



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Role of K.A.CARE – Positioning amongst other stakeholders



K.A.CARE will coordinate the efforts amongst the vendors, their suppliers and the local industry in order to drive the value chain localization

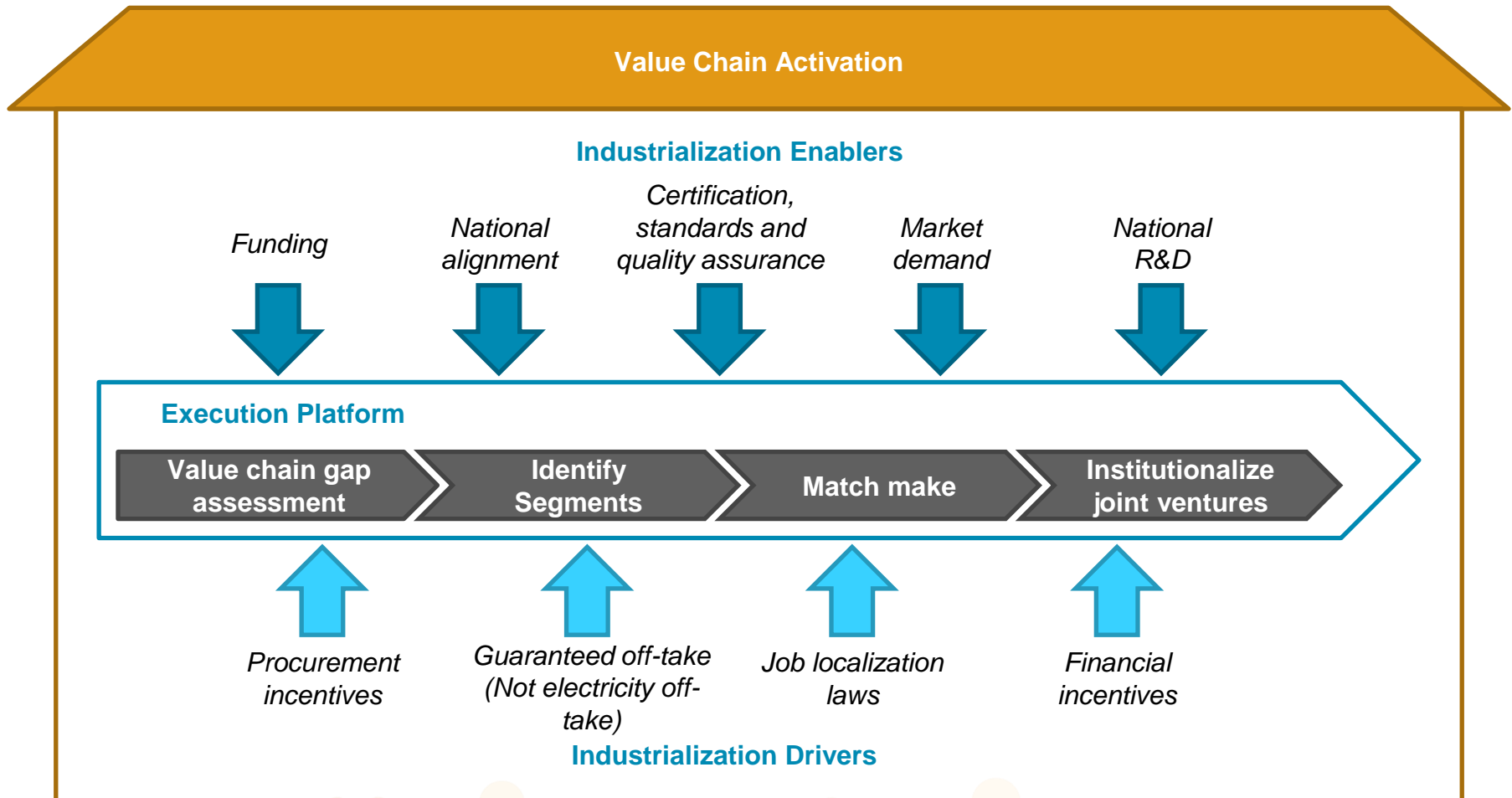


Value Chain Implementation Framework

In order to implement each approach, industrialization pillars and incentives supported by an execution platform are required to activate the value chain



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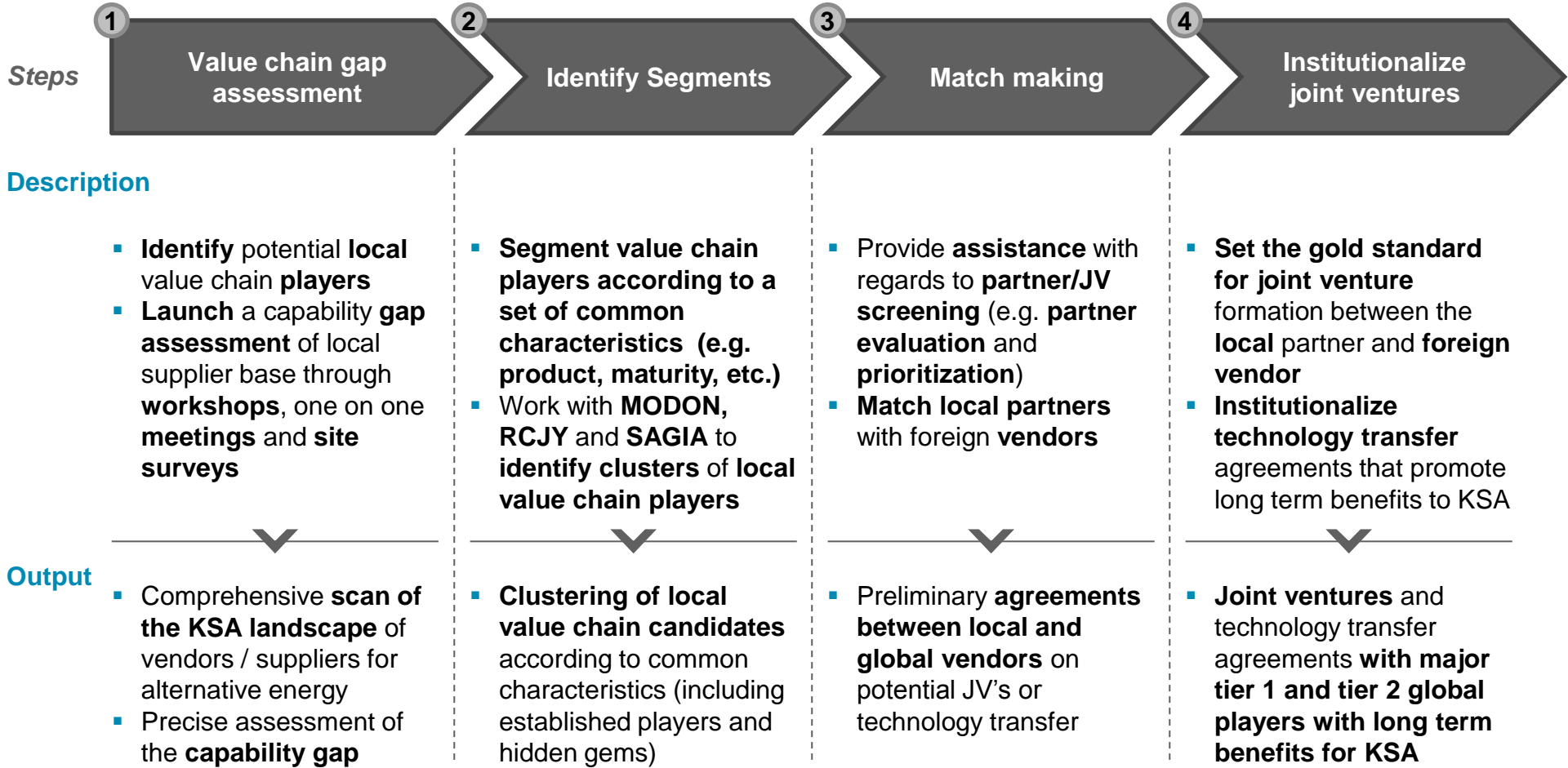
Value Chain Implementation – Execution Platforms

The execution platform aims at institutionalizing knowledge transfer from skilled foreign vendors to local partners and promoting Saudization



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Execution Platform





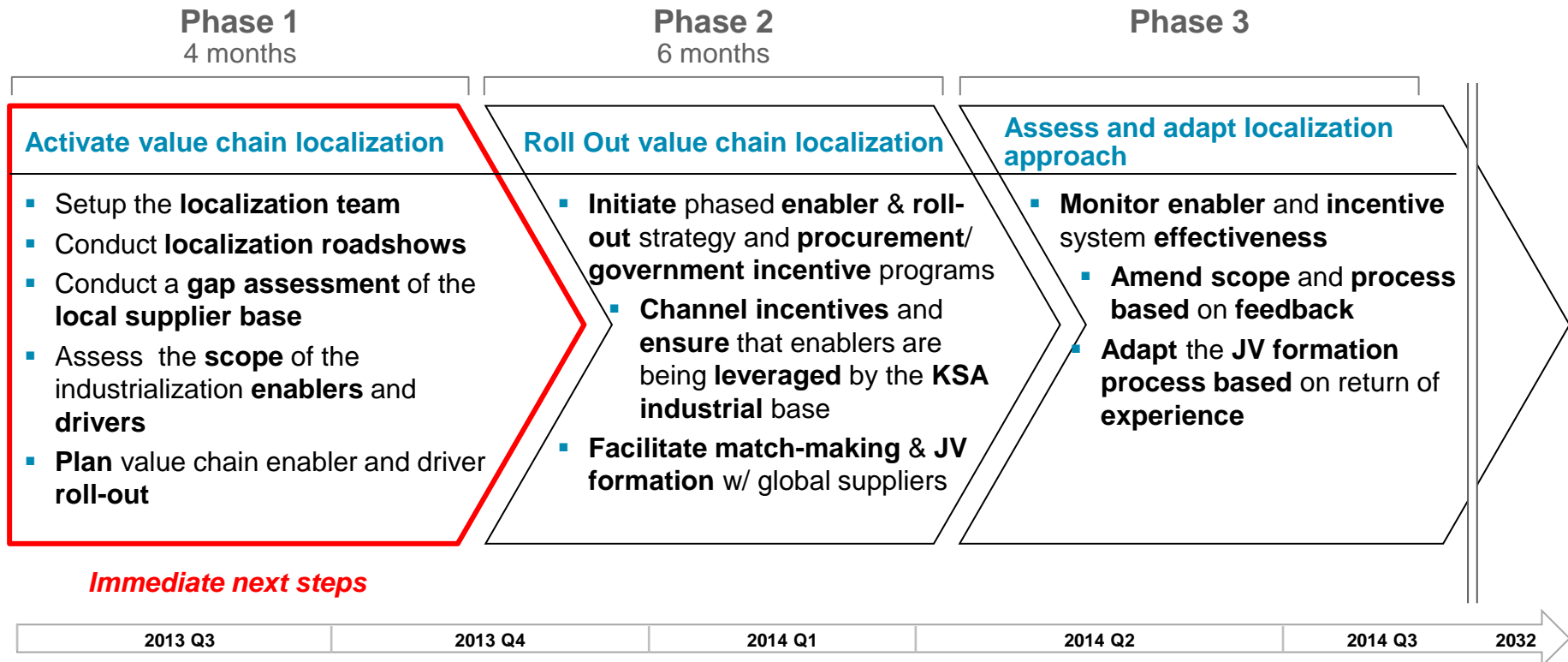
Next Steps

The immediate next steps will start with activation of the value chain localization followed by the roll-out of the value chain enablers and drivers



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Overall Localization Approach





Value Chain Localization

Key Messages



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➤ **K.A.CARE will drive the atomic and renewable energy value chain localization**

➤ **K.A.CARE's role will range from driving the localization of strategic value chain components to facilitating the localization of non strategic components**

➤ **K.A.CARE will roll out enablers, drivers and execution to enable the value chain localization**

➤ **K.A.CARE's next steps consist of setting up a dedicated localization team and launching the localization initiative**



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Thank you