RENEWABLE ENERGY NEXUS FOR ECONOMIC WINS (RENEW) PROJECT

SUPPLY CHAIN MAPPING OF RE TECHNOLOGIES



THE BELAMY HOUSE MAKATI CITY
17 December 2024 | 09:00 PM – 03:00 PM

OUTLINE OF THE PRESENTATION

01 Project Rationale

02 Project Objectives

03 Project Description

04 Project Output

05 RTD

06 Overview of the Project Report

07 Supply Chain Map

08 Initial Findings and Recommendations

09 The Microsite

RATIONALE

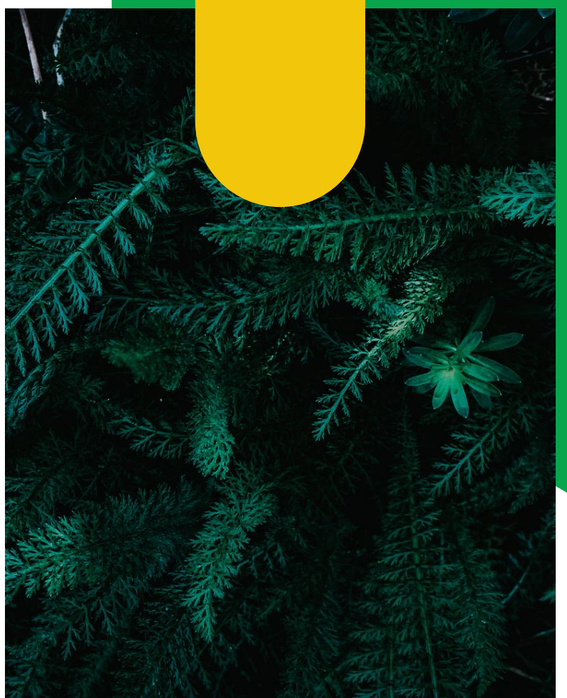
Philippine Energy Plan (PEP) 2023-2050

- 35% RE share in the energy mix by 2030;
- 50% by 2040; and
- more than 50% by 2050

Transformative Policies

- RE Act of 2008;
- Corporate Recovery and Tax Incentives for Enterprises (CREATE) Act); and
- Tatak Pinoy (Proudly Filipino) Act (R.A. No. 11981)



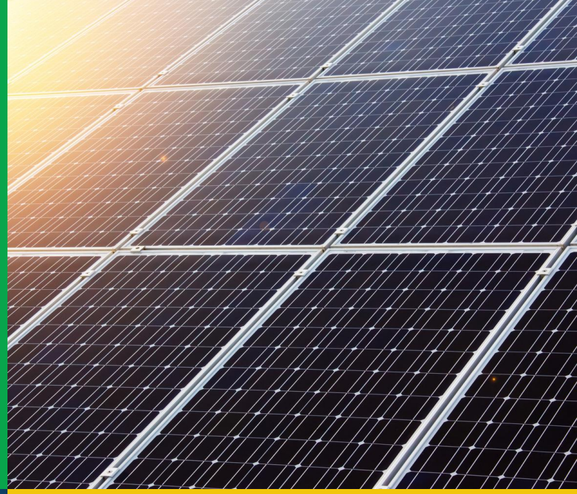




OBJECTIVES

- To support the country’s sustainable transition to cleaner energy.

- To localize the RE technology parts and equipment.







PROJECT DESCRIPTION

- Stakeholder Engagement Mechanism
- Supply Chain Mapping and Industry Database
- Dissemination platform



PROJECT OUTPUTS

- Philippine RE supply chain map (with project report)
- Online RE supply chain database
- Updated industry value propositions for investment promotion





RTD ON RENEW PROJECT

DATE & VENUE

03 SEPTEMBER 2024 | HOLIDAY INN & SUITES MAKATI

PARTICIPANTS

RE INDUSTRY ASSOCIATION & DOE

KEY DISCUSSIONS

1. UPDATE ON THE RE INDUSTRY
2. INDUSTRY INPUTS ON THE INITIAL DRAFT OF RE SUPPLY CHAIN MAP
3. GAPS AND CHALLENGES IN THE LOCALIZATION OF RE EQUIPMENT
4. AREAS TO CONSIDER IN THE SUPPLY CHAIN MAP

OVERVIEW OF THE PROJECT REPORT

I. Industry Overview
- A. RE Industry
- B. Local Structure
- C. Incentives
- D. Industry Associations

II. Industry Statistics
- A. Market Demand
- B. Imports

III. PH RE Supply Chain Map

IV. Findings and Analysis

V. Recommendation

VI. Annexes

VII. Bibliography

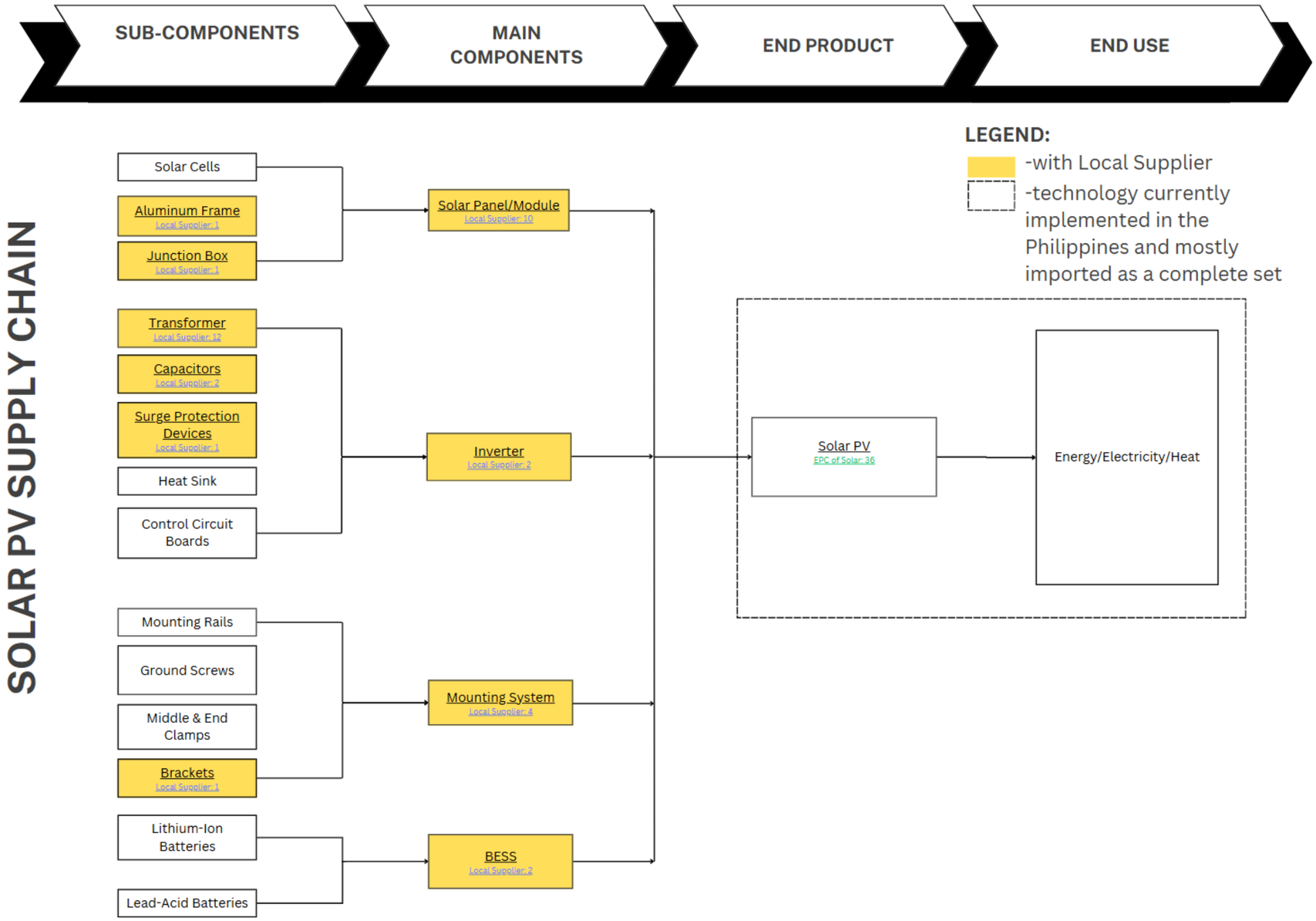


Renewable Energy Nexus for Economic Wins: Supply Chain Mapping of RE Technologies (RENEW) Project

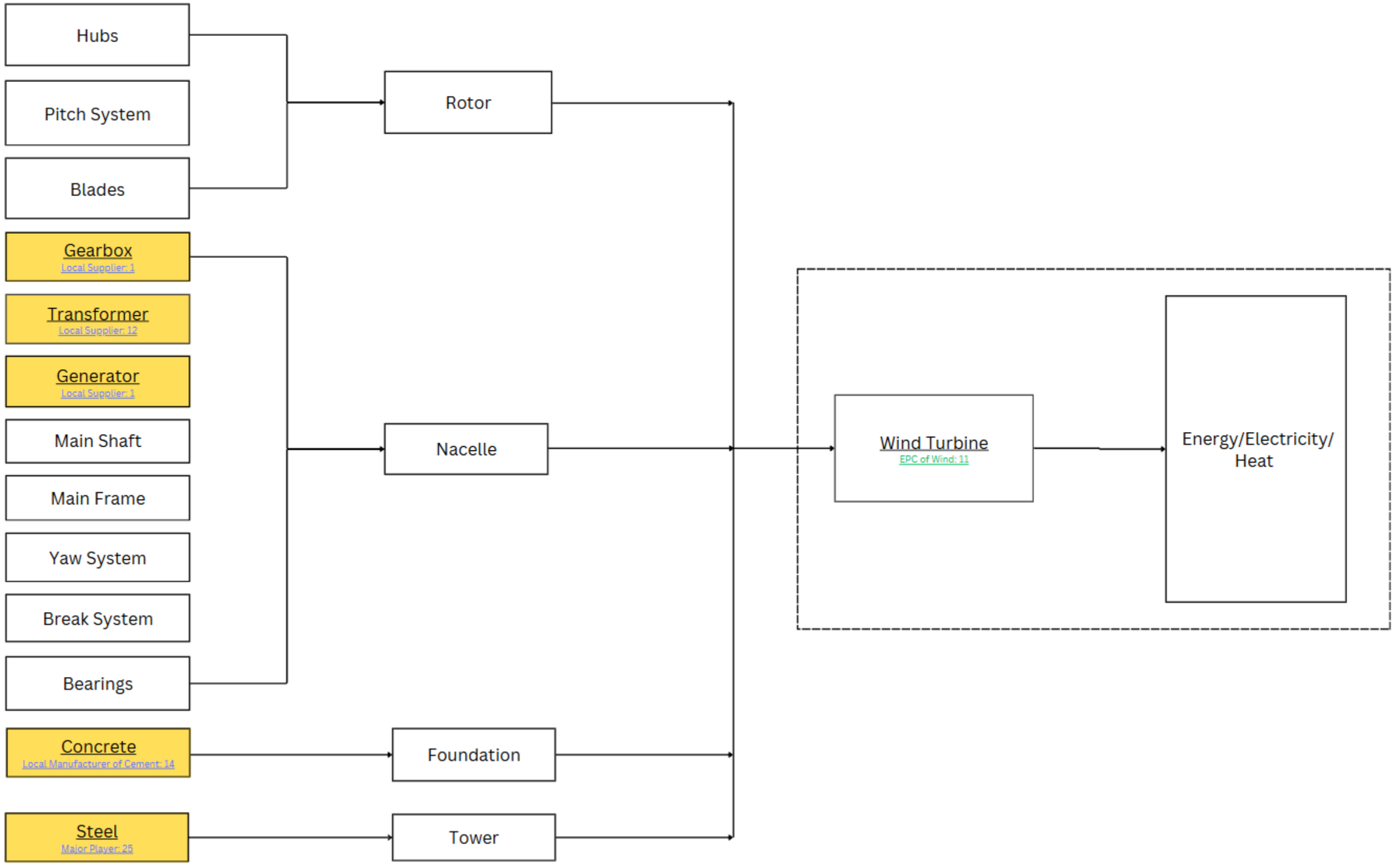
Mary Rose B. Mores

12/01/2024

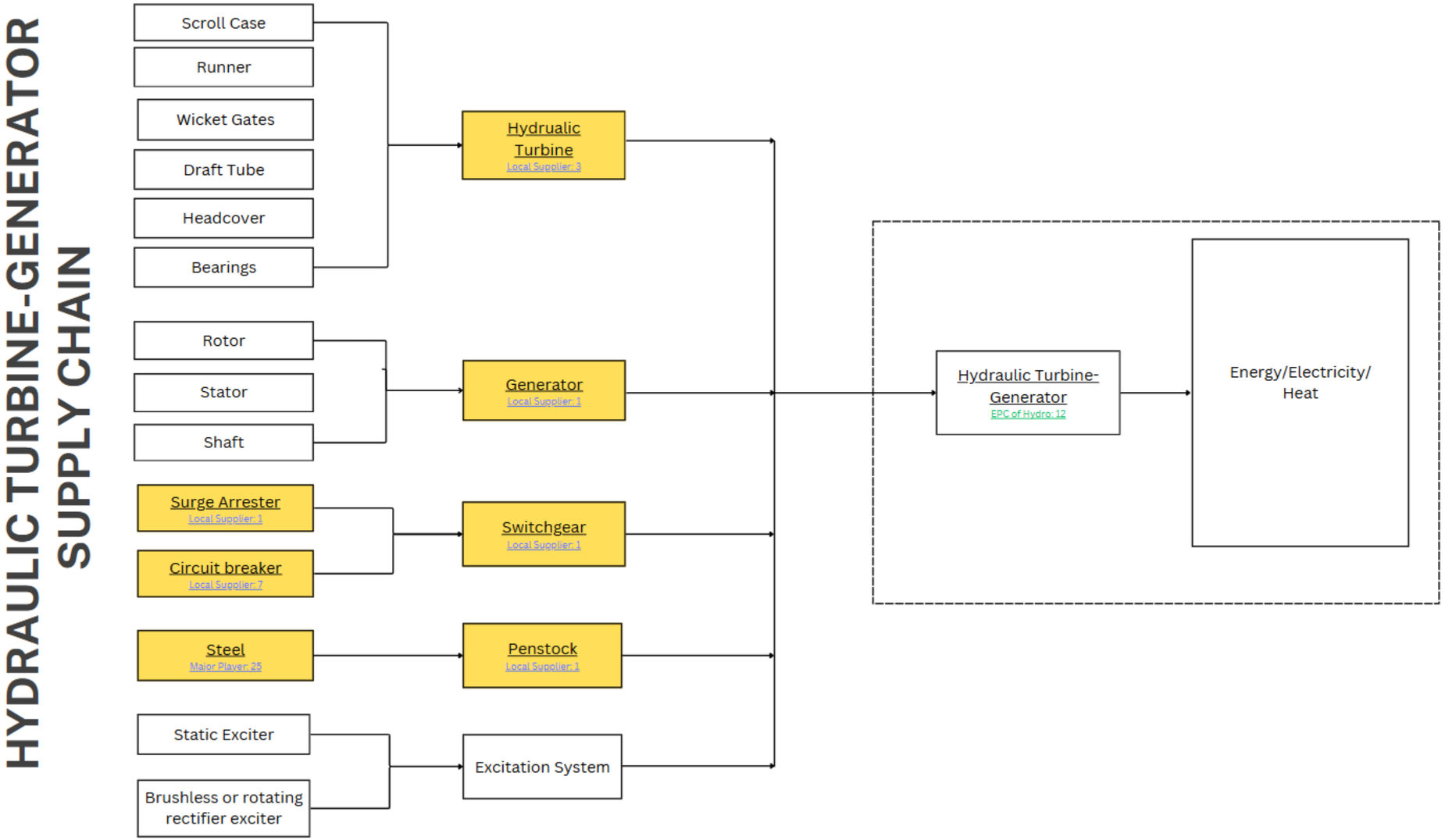
RE SUPPLY CHAIN MAP



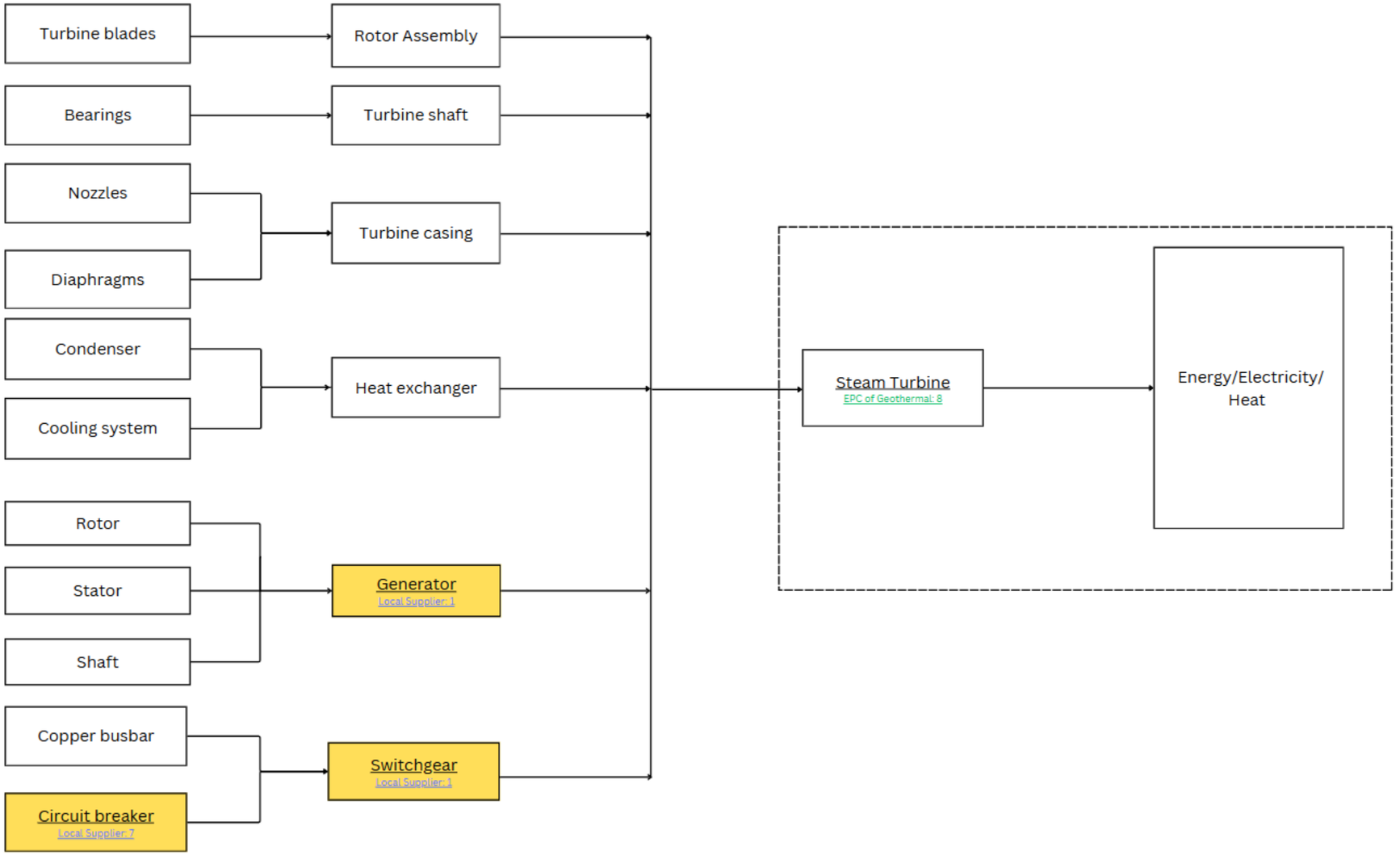
WIND TURBINE SUPPLY CHAIN



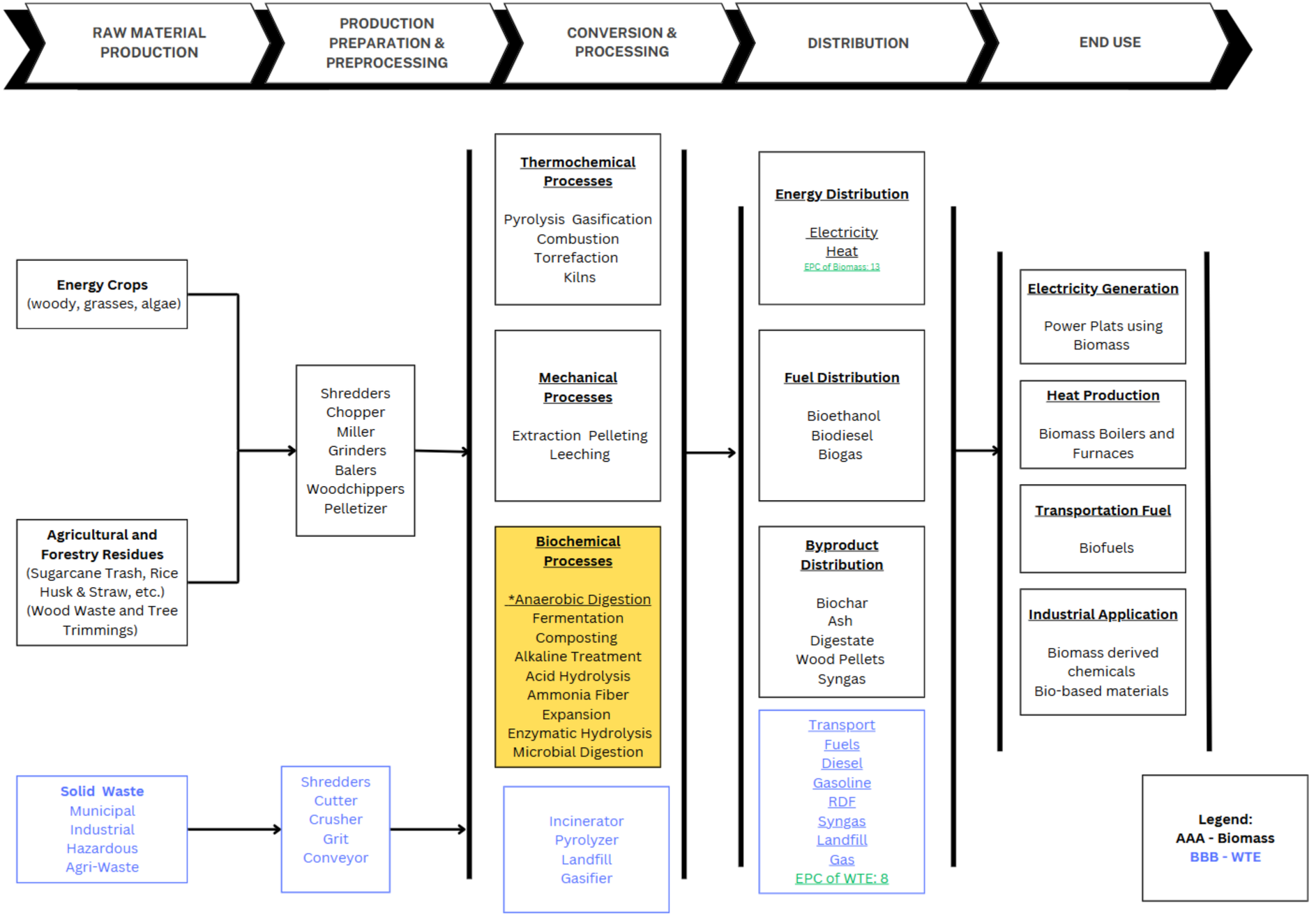
HYDRAULIC TURBINE-GENERATOR SUPPLY CHAIN



STEAM TURBINE SUPPLY CHAIN

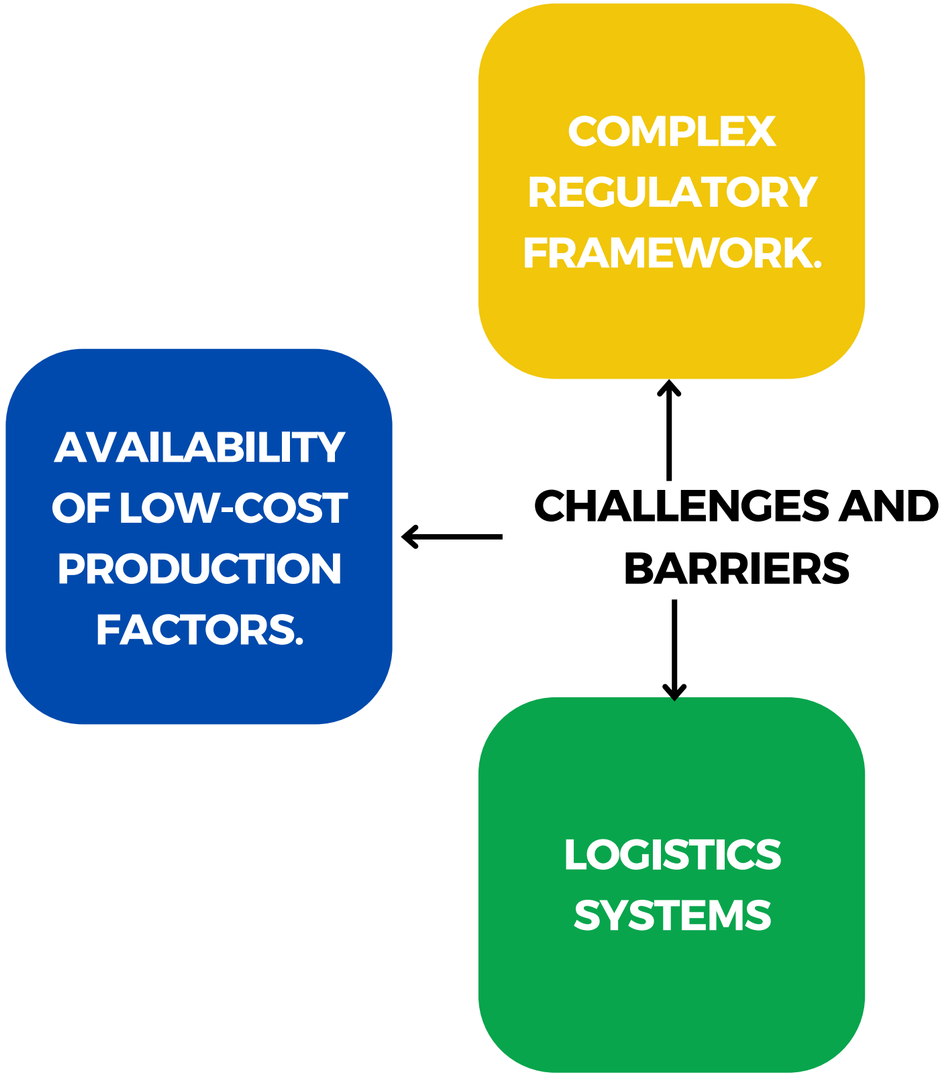


BIOMASS SUPPLY CHAIN



INITIAL FINDINGS

RE Technology	Current Status	Potential Future Status
Biomass	Has identified few local manufacturer/supplier of equipment.	Would still rely on the importation of majority of the equipment.
Geothermal	Currently, there is no local manufacturer of main components such as hydro turbines, but a few supplier of small components has been identified.	Suppliers of small components have been identified, which, with the right investment and support, could build up the local supply chain. However, the global supply chain would still be needed to address gaps in the domestic supply.
Solar	There are a few local manufacturers/supplier of solar panel but still rely on the importation.	Suppliers have been identified, which, with the right investment and support, could build up the local supply chain. However, the global supply chain would still be needed to address gaps in the domestic supply.
Hydropower	Currently, there is no local manufacturer of main components such as hydro turbines, but a few supplier of small components has been identified.	Suppliers of small components have been identified, which, with the right investment and support, could build up the local supply chain. However, the global supply chain would still be needed to address gaps in the domestic supply.
Wind	Currently, there is no local manufacturer of main components such as hydro turbines, but a few supplier of small components has been identified.	Suppliers of small components have been identified, which, with the right investment and support, could build up the local supply chain. However, the global supply chain would still be needed to address gaps in the domestic supply.

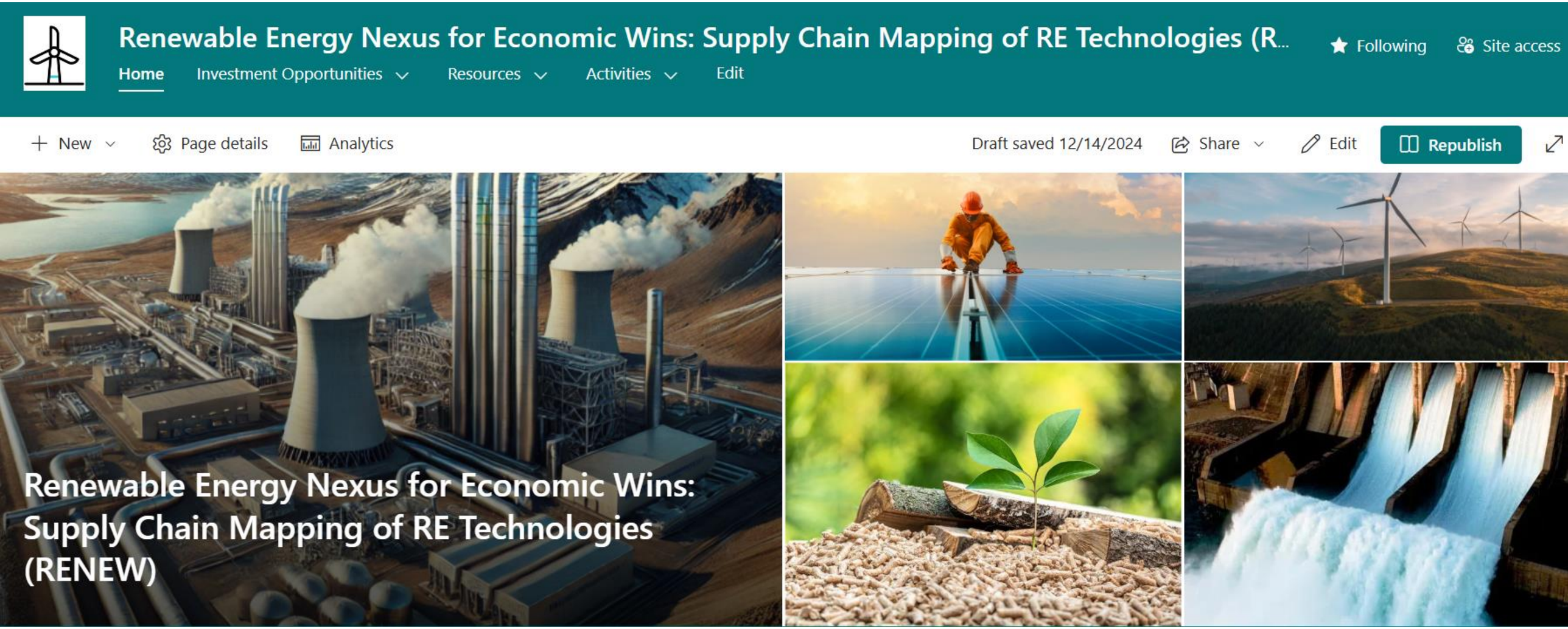


RECOMMENDATIONS

- PRIORITIZE THE PRODUCTION OF EXISTING HIGH-DEMAND SMALL COMPONENTS USED IN RE TECHNOLOGIES.

- LEVERAGE THE POTENTIAL OF EXISTING LOCAL SUPPLIERS BY PROVIDING TARGETED SUPPORT TO HELP THEM SCALE UP AND ALIGN WITH THE SPECIFIC NEEDS OF THE RE SECTOR.

MICROSTE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