

SPIK- SAMAHAN SA PILIPINAS NG MGA INDUSRIYANG KIMIKA

PRESENTED FOR THE PCIEERD STAKEHOLDERS CONSULTATION WORKSHOP SEPTEMBER 18, 2017





The Philippine Chemical Manufacturing Industry

3rd largest Manufacturing sub-sector

- Over 1,400 chemical manufacturing firms
- 166,000 direct workers
- USD 7 billion in revenues
- 7% g. r. in the last 5 years
- APPROXIMATELY 12.75% OF Total manufacturing gva

Rapidly growing trade

- More than USD 9 Billion in total trade
- Trade and Exports with over 170 countries





Chemical Sectors and Products









Basic Chemicals

-Resins

-Basic Chemicals

-Gases

-Organics

-Inorganics

-Alcohols

Chemical Products

-Pharmaceuticals -Soap & Detergents -Paints -Cosmetics -Fertilizers -Pesticides

Adhacivas

-Inks

Rubber Products

-Tires

-Industrial products -Re-threading

Plastic Products -Plastic articles -Pipes and Tubing -Industrial products -Films & Sheets











SAMAHAN SA PILIPINAS NG MGA INDUSTRIYANG KIMIKA CHEMICAL INDUSTRIES ASSOCIATION OF THE PHILIPPINES

- Composed of 80 leading
 companies from different subsectors of the Philippine's chemical industry
- Promotes the manufacture of quality, environmentally-friendly, and globally competitive chemical products
 Manages the Philippine's

Responsible Care program





The Philippine Chemical Manufacturing Industry

Global MNCs Manufacturing in PH







The Philippine Chemical Manufacturing Industry

LEADING FILIPINO MANUFACTURERS







The Philippine Chemical Industry VALUE CHAIN







VISION & MISSION

VISION OF THE PHILIPPINE CHEMICAL INDUSTRY IN 2030

"The Philippine chemical industry, shall engage in transforming the nation's basic resources into a wide range of higher value products that serves domestic as well as global market needs with the best customer value. It is committed to attracting, developing and retaining the best talents who will be at the forefront of product and process innovations while adhering to sustainability and Responsible Care principles. By relentlessly improving products and processes, it will achieve sustainable growth and thus, contribute to the nation's inclusive growth and socio-economic development."





STRATEGIC VISION OF THE CHEMICALS INDUSTRY

1. DIVERSIFIED	 Create a wide range of products with the best consumer value 	
2. POSITIVE TRADE	 Satisfy the domestic demand and be a leading contributor to the Philippine export basket 	
3. PRODUCTIVITY	Promote a high level of workforce productivity	
4. INNOVATION	Be innovative, both in products and processes	
5. SUSTAINABILITY	 Develop and manage the industry sustainably to protect the natural assets on which the industry depends 	
6. INCLUSIVE	 Be competitive as an industry so as to provide benefits to the Philippine economy and to the Filipino people 	





STRATEGIC VISION OF THE CHEMICALS INDUSTRY

4. INNOVATION

 Be innovative, both in products and processes





STRATEGIC VISION OF THE CHEMICALS INDUSTRY

GOAL	2016 STRONG PHILIPPINES	2022 ENTER THE ASEAN+4 DOOR	2030 GLOBAL MARKET CAPTURE	Responsible Entities
Be innovative, both in products and processes	 Allocate 0.5% of sales as R&D budget Increased number of Philippine chemical patent applications Develop partnership/ cooperation with DOST, Filipino inventors, ICP and PICHE 	 Develop access to foreign chemical and process technologies through partnership and foreign direct investment Encourage formation of contract research group 	 Be at par with ASEAN+4 in terms of product and processes innovation 	 DOST SPIK Universities Filipinovation Bureau of Patents Intellectual Property Office (IPO)





GOAL	STRATEGY	ΑCTIVITY
Be innovative, both in products and processes	Industry-academe research and development collaboration	 SPIK has discussed and forwarded to PCIEERD on 22 January 2013 the SPIK programs that may be included for their 2014-onwards R & D programs: Solid Waste Management technology for plastic such as biodegradable plastic, LCA of plastic Nano clay technology - ceramic filters Polylactic acid -polymer coming from degradable materials Waste water management - membrane filtration technology Nitroparaffin to promote efficient burning of fuel Selective extraction of precious metals using membrane technology





GOAL	MILESTONE	ACTIVITY
Be innovative, both in products and processes	The Philippines' first Naphtha Cracker Plant (NCP) and simultaneous expansion of the Polymers Plant was constructed from 2011 to 2014, while PE and PP expansion works were undergone in 2012 to 2014. Commercial operation of the newly expanded JG Summit Petrochemicals Group started in November 2014 with increased polymer production capacities of 320 KTA for PE and 190 KTA for PP.	Employing established foreign developed process technology which is one of the safest PE and PP polymerization technologies available today. This gas phase process is also the cleanest in its class due to the absence of liquid and solid effluents emitted to the environment.





GOAL	ONGOING ACTIVITIES	EXPECTATIONS
Be innovative, both in products and processes	Development of Polymer products that will comply with PMPIN regulations of the EMB	Reduce regulatory burden leading to ease in doing business
	Paints with insecticidal properties that can kill disease-carrying insects such as mosquitoes, flies and cockroaches. Extensive R & D work was done for 5 years	Awaiting FDA approval to market innovative product. Establish regulatory standards for this type of product innovations.
	Wastewater effluent re-use to comply with DAO 2016-08 the New Water Quality Guidelines and General Effluent standards as more parameters have been included	Reduce water consumption and eliminate effluent discharges to environment.





GOAL	ONGOING ACTIVITIES	EXPECTATIONS
Be innovative, both in products and processes	Utilization of Multi-phase emulsion technology	Breakthroughs in emulsion liquid crystal research for production of new food products
	Development of superplasticizers	Improve performance of concrete for the construction industry
	Developments in sealants technology	Stronger and long lasting tiling installations that are more flexible against movement





CHECK LABELS ON CHEMICAL CONTAINERS



EVERY CHEMICAL CONTAINER MUST HAVE A WARNING LABEL





SALAMAT AT MABUHAY



