



FIVE YEAR STRATEGIC PLAN

Philippine Society of Agricultural Engineers
2016-2020

August 2016

PSAE Five Year Strategic Plan 2016-2020

I. INTRODUCTION

In about one and a half decades after the enactment into law of Republic Act No. 8559, known as the *Philippine Agricultural Engineering Law*, the Philippine Society of Agricultural Engineers has made significant leap in promoting the practice of its profession that has resulted to the increased involvement of Agricultural Engineers in local, regional, and national development activities. However, a number of concerns have still to be addressed to further boost and enhance the visibility of Agricultural Engineers in local, regional, and national development undertakings both in the government and private sectors. Among them is the failure by a number of cities and municipalities in the compliance with the requirements of the Philippine Agricultural Engineering Law and its Implementing Rules and Regulations; the non-implementation by some LGUs of DBM-Budget Circular No. 2003-03, and the lack of Agricultural Engineering positions in many government agencies specifically those implementing Agricultural Engineering projects, among many others. The enactment into law of the R.A. 10605 in 2013, known as the Philippine Agriculture and Fisheries Mechanization Law, has further boost the practice of Agricultural Engineers. The provisions of the said law provide a wide range of challenges and opportunities to Agricultural Engineers.

The integration of the Southeast Asian economies into the ASEAN Economic Community (AEC) has envisioned to establish by 2015 a highly competitive single market and production base for its ten member economies, promote their equitable economic development, and facilitates their integration with the global community. The key elements of the AEC blueprint includes free flow of goods, services, investment, capital, and skilled labor through mutual recognition agreements (MRA) where engineering was one of the seven professions initially considered (ASEAN Economic Community, 2007). This development has so much implication in the professional practice of Agricultural Engineers in the Philippines and abroad, specifically with its neighbor ASEAN countries. This implies the honing of the skills, competencies, and professionalism of our Agricultural Engineers attuned to the requirements of the global community. In addition, the limited turnout of Agricultural Engineering graduates annually should be looked into seriously.

With the globalization of the marketplace and the global challenges of climate change, food security, and economic growth; global competence is also expected from our incoming Agricultural Engineering graduates. International agreements, such as the Washington Accord, are signed to ensure the equivalency of the standards of engineering education across national borders. The recognition and implementation by the Philippine Government of the K+12 has elevated the image of the Philippine Educational System internationally. The engineering professionals and accreditation bodies have started to embrace the increasing set of skills and competencies that employers required in graduate engineers through the establishment of outcome based education (OBE). However, there are still so many things to de done towards this end.

This five year strategic plan of the PSAE envisions to address the above concerns.

II. OUR VISION, MISSION, AND GOALS

A. OUR VISION

PSAE as a world class Professional Engineering Organization

B. OUR MISSION

Produce highly competent and empowered Agricultural and Biosystems Engineers who generate and manage novel and relevant technologies; and forge strategic engagements, affiliations, linkages, and collaboration for countryside and global development, protection of the environment, and preservation of life.

C. OUR GOALS

1. EFFICIENT, PRODUCTIVE, AND GLOBALLY RECOGNIZED ORGANIZATION

Maintain highly qualified, dedicated, committed, and empowered PSAE officers; develop and manage updated and computerized database; and forge productive and sustainable national and global affiliations, linkages, network and collaborations.

2. ACTIVE AND EMPOWERED MEMBERS

Maintain a pool of active and empowered members who will spearhead the proliferation of the practice of Agricultural and Biosystems Engineering Profession locally and internationally.

3. HIGHLY COMPETENT MEMBERS

Develop a pool of competent and empowered Agricultural and Biosystems Engineers for countryside and global development, protection of the environment, and preservation of life.

4. RIGHTFULLY AND GAINFULLY EMPLOYED MEMBERS

Provide opportunities for a rightful and gainful employment, facilitate the creation of jobs, and offer opportunities for the enhancement of the technical, managerial, and entrepreneurial skills of its members

5. FINANCIALLY STABLE ORGANIZATION

Implement viable and sustainable agricultural and biosystems engineering activities; venture into technical and management engineering consulting; and produce knowledge-based resource materials.

III. GOAL, STRATEGIES, AND METRICS

1. EFFICIENT, PRODUCTIVE, AND INTERNATIONALLY RECOGNIZED ORGANIZATION

- a. Strengthen the provisions of the PSAE Constitution and By-laws**
 - i. Number of reviews conducted
 - ii. Number of revisions made
- b. Develop and implement computer-based management information system**
 - i. Number of computer-based MIS program/software developed and maintained
 - ii. Number of data types and data entry completed
- c. Strengthen institutional and individual membership to other local and institutional organizations**
 - i. Number of additional membership to other local and international institutions/organizations
- d. Preparation of Employment Opportunities of AEs**
 - i. Number of organizations hiring AEs
- e. Publication of PSAE Journal**
 - i. Number of published journal

2. ACTIVE AND EMPOWERED MEMBERS

- a. Strengthen the membership of the organization**
 - i. Number of registered professional Agricultural Engineers added annually to the official list of PSAE members
 - ii. Number of established centralized online membership registration and database of members
 - iii. Number of quarterly meeting conducted of national with regional officers
 - iv. Number of information drive conducted to renew license and requirement of PSAE ID as member
- b. Organize more PSAE Chapters locally and internationally**
 - i. Number of local PSAE chapters recognized by the PSAE National Chapter

- ii. Number of international PSAE chapters recognized by the PSAE national chapters
- iii. Number of guidelines prepared on the accreditation of regional and provincial chapters

c. Strengthen the PSAE promotional activities to increase its membership

- i. Numbers of national, regional, and locally-organized meetings, seminars, and similar activities conducted to increase organization membership
- ii. Number of local, regional, and national information drive annually conducted
- iii. Number of PRC presence during convention and other big events
- iv. Number of local oath taking conducted for new passers for Mindanao and Visayas
- v. Number of promotion conducted and invitation at private sectors
- vi. Number of published and disseminated newsletter

3. HIGHLY COMPETENT AND SKILLED MEMBERS

a. Update the list of professional Agricultural Engineers categorized by their Field of Specialization based on completed postgraduate studies and/or by actual work experiences and job orientation

- i. Number of registered professional Agricultural Engineers
- ii. Number of non-registered professional Agricultural Engineers
- iii. Number of professional Agricultural Engineers practicing in the each Agricultural Engineering field
- iv. Number of professional Agricultural Engineers with managerial positions key private companies and government agencies

b. Conduct Capability Enhancement Trainings on the Different Fields of Agricultural Engineering for global competitiveness

- i. Number of technical trainings conducted in the different fields of Agricultural Engineering
- ii. Number of seminars conducted for the updating of the currents issues and trends in Agricultural Engineering
- iii. Number of skills accreditation conducted

4. RIGHTFULLY AND GAINFULLY EMPLOYED MEMBERS

a. Conduct inventory on the employment Status of Agricultural Engineering

- i. Percentage of employment of BSAE graduates
- ii. Percentage of Agricultural Engineers who are underemployed
- iii. Percentage of Agricultural employed in private, government, and self employed

b. Provide Opportunities to Agricultural Engineers to be rightfully and gainfully employed

- i. Number of linkages established that will enhance employment of Agricultural Engineers
- ii. Number of Bills proposed that will enhance the employability of Agricultural Engineers

5. FINANCIALLY STABLE ORGANIZATION

a. Implement sustainable income-generating activities

- i. Number of short-term income generating projects implemented
- ii. Number of long-term income generating projects implements
- iii. Number of income-generating projects conceptualized and implemented

b. Venture into technical consulting

- i. Number of PSAE-supervised consulting groups organized nationwide
- ii. Amount generated from these consulting activities

c. Produce knowledge-based materials.

- i. Number of technical journals published
- ii. Number of books authored and published
- iii. Number of semi-technical bulletins produced
- iv. Number of regular subscribers of journal and bulletins

IV. WORK AND FINANCIAL PLANS

Key Results Area	Strategies	Expected Output	Implementation Schedule					In-charge	Budget
			'16	'17	'18	'19	'20		
Goal 1. EFFICIENT, PRODUCTIVE, AND GLOBALLY RECOGNIZED ORGANIZATION	1. Strengthen the provisions of the PSAE Constitution and By-Laws (CBL)	• 3 sessions conducted to review CBL provisions						BOT	50,000.00
		• 1 set of completed constitution and by-laws • Consider PRC/PFPA and other related organization Accreditation Criteria						BOT	
	2. Secure accreditation as AIPO from PRC and other accrediting agencies.	•							
	2. Develop and implement computer-based Management Information System.	• data to be included in the database identified and grouped						BOT	
		• identified the software needed						BOT	
		• 1 MIS software developed and completed						BOT	150,000.00
	3. Establish and strengthen institutional and individual membership to other local and international organizations.	<ul style="list-style-type: none"> • 2/year additional membership to other local and international institutions/ organizations • ASEAN/APEC/ACPE Engineers • # of local and international events participated 						BOT and individual memberships	100,000.00

	4. Generate Employment Opportunities of AEs	<ul style="list-style-type: none"> • 25 strong organizations hiring AEs 						BOT and regional chapters	
	Development of ABE standards	<ul style="list-style-type: none"> • Formulate PABES code and standards • Support the development of PAES (PABES)/PNS 							
		<ul style="list-style-type: none"> • 							
	5. Publication of PSAE Journal and other IEC resource materials	<ul style="list-style-type: none"> • 1/year published journal • Online • Proceedings • Technical papers compilation • Other IEC materials • 						BOT	100,000.00
	6. Organize and sustain local and international chapters	<ul style="list-style-type: none"> • 							
Sub-total:									400,000.00

Key Results Area	Strategies	Expected Output	Implementation Schedule					In-charge	Budget
			'16	'17	'18	'19	'20		
Goal 2. Active and Empowered Members	1. Strengthen the membership of the organization	<ul style="list-style-type: none"> 500/year registered professional Agricultural Engineers added annually to the official list of PSAE members 1 centralized online membership registration and database of members developed and maintained 1 quarterly meeting conducted for national with regional officers 2/year Information drive conducted to campaign for renewal of license and PSAE ID as member 						BOAE and BOT	150,000.00 100,000.00 200,000.00 250,000.00
	2. Organize more local and international chapters	<ul style="list-style-type: none"> 2 guidelines prepared on the accreditation of international and local chapters 						BOT	-
	3. Strengthen the PSAE promotional activities to increase its active membership	<ul style="list-style-type: none"> 5/year national/regional, and locally-organized meetings, seminars, and similar CPD activities conducted to increase organization membership 1/year PRC presence during convention and other big events 2/year local oath taking for new passers for Mindanao and Visayas conducted 5/year promotion activities and invitation at private sectors conducted 1 published and disseminated quarterly newsletter for distributed to members Scholarship programs 						BOAE BOT and Regional chapters	250,000.00 50,000.00 250,000.00 50,000.00 300,000.00
	4. Conduct of	<ul style="list-style-type: none"> 							

	review classes and refresher courses								
	Create and recognize honorary/affiliate members	•							
Sub-total:									1,600,000.00

Key Results Area	Strategies	Expected Output	Implementation Schedule					In-charge	Budget
			'16	'17	'18	'19	'20		
Goal 3. Highly Competent Members	1. Update the list of professional Agricultural Engineers categorized by their Field of Specialization based on completed postgraduate studies and/or by actual work experiences and job orientation	<ul style="list-style-type: none"> • 500/year registered professional Agricultural Engineers • 300/year non-registered professional Agricultural Engineers • 5,000 active professional Agricultural Engineers practicing in the each Agricultural Engineering field • 500 professional Agricultural Engineers with managerial positions key private companies and government agencies • 1 national information system developed 						BOT and regional chapters	150,000.00
	2. Conduct Capability Enhancement Trainings on the Different Fields of Agricultural Engineering for global competitiveness	<ul style="list-style-type: none"> • 5/year technical trainings conducted in the different fields of Agricultural Engineering • 2/year seminars conducted for the updating of the currents issues and trends in Agricultural Engineering • 20/year accreditation of skills training conducted • 17 local chapters developed specialization 						BOAE BOT and Regional chapters	2,000,000.00 500,000.00 50,000.00 200,000.00
	3. Revisit the CPD guidelines and target.	<ul style="list-style-type: none"> • 1 guideline formulated and accreditation implemented • • 						BOAE and BOT	20,000.00

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	3. Assist in the formulation of the PQF and related activities	<ul style="list-style-type: none"> • PQF • BSABE Curriculum devt 							
	4. Collaborate and assist in the implementation and compliance of ABE, AFMech and other related laws.	<ul style="list-style-type: none"> • Inspection • Monitoring • ABE road map implementation • NAFMechP • 							
	Update the ABE professional fees standard	•							
Sub-total:									200,000.00

Key Results Area	Strategies	Expected Output	Implementation Schedule					In-charge	Budget
			'16	'17	'18	'19	'20		
Goal 5. Financially Stable Organization	1. Implement sustainable programs/projects/activities	<ul style="list-style-type: none"> ▪ 3 short-term projects implemented • 2 long-term sustainable projects implemented • # of local and international conferences/conventions conducted 						BOT and regional chapters	400,000.00
	2. Venture and assist into technical and management engineering consulting	<ul style="list-style-type: none"> • 3 consulting groups organized nationwide • # of consulting activities conducted 						BOT and regional chapters	400,000.00
	3. Produce knowledge-based resource materials	<ul style="list-style-type: none"> • 1 technical journals published • 1 book/year authored and published • 1 semi-technical bulletins produced • 500 regular subscribers of journal and bulletins • PSAE Magazine/news letter 						BOT and regional chapters	500,000.00
									700,000.00
							500,000.00		
							50,000.00		
	4. Strictly implement the issuance of COGS	<ul style="list-style-type: none"> • # of COGS issued • 							
Sub-total:									3,000,000.00

**SUMMARY OF FINANCIAL REQUIREMENTS
2016-2020**

GOALS	BUDGET (Php)	REMARKS
Efficient, Productive, and Internationally Recognized Organization	400,000.00	
Active and Empowered Members	1,600,000.00	
Highly Competent Members	2,920,000.00	
Rightfully and Gainfully Employed Members	200,000.00	
Financially Stable Organization	3,000,000.00	
TOTAL	8,120,000.00	