

**「AOTSにおける学習事項の応用：  
製造業の絶え間ない変化  
という課題への対応について」**



Eddie Gallor  
PHILCULTAROS TRUSTEE / DIRECTOR

# 目次

- RGC Group Of Companyの概要
- AOTSにおける学習事項の応用
- 日本・フィリピン間のビジネス活動
- 同窓会の注目すべき活動



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A CELEBRATION OF

# Uratex's Fifty Years



1968

Polyfoam Chemical Corporation was established to produce polyurethane foam in a rented warehouse and a makeshift office under a Santol Tree. Today, Uratex Group operates 22 factories.



1975

Started producing Car Seat Foam for Toyota and Mitsubishi. Today, the automotive division produces motorcycle seats, radiators, leaf springs, mufflers, stamped metal parts and flame lamination.



1983

Started the manufacture of textile and foam & fabric lamination service for the furniture, footwear, toys and automotive industries.



1993

Launched the Uratex Monoblock line of plastic chairs, tables and houseware products. In 2016, Monoblock line reached new levels of design and performance using Gas-assisted Injection Molding technology.



1998

Established a joint Venture with Inoac of Japan, to serve the electronics industry with highly technical foam.



2000

Began operations of State-of-the-art foaming facility in Bulacan using technology-leader Hennecke machine from Germany. In 2008, a 2nd Hennecke line was installed in Muntinlupa.



2001

Established Thin Wall Injection Molding (TWIM) facility to make Readywrap food containers.



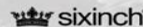
2007

Launched Uratex Premium Mattress line with unparalleled levels of comfort, support and durability, to answer the need for better sleep of every body type and personal preference.



2008

Established factory in Cebu. In 2018, Uratex Group will be in 5 locations in Visayas and Mindanao: Cebu, Iloilo, Davao, Cagayan de Oro, and Butuan.



2015

Joined with Sixinch of Belgium to make High-design coated foam furniture. This unique product and technology provide designers with a creative tool that can combine form, function, versatility and aesthetics.



2018

Introduction of Uratex Home Storage Solutions, a stylish, multifunctional and contemporary plastic furniture product line.

Under a santol tree, we started our dream to provide high quality foam and affordable mattress for every Filipino. On our 50th year, we would like to share our stories, inspirations and aspirations in the spirit of gratitude, to God and to all those who are part of our journey.

50

GOLDEN YEARS OF  
QUALITY AND INNOVATION  
Since 1968

# 消費者製品



Aristo Mattress



Nuovolve Mattress



Perfect Serenity Mattress Collection



Sensio Memory Mattress Collection



Uratex Elegant Mattress



Premium Touch Mattress Collection



Orthoro Mattress (Innovation)



Sensio Memory Pillow



Therapoint Pillow



Scotals



Latex Pillow



Fibersoft Pillow



Sofabed



Sensio Memory Tapper



Fold-A-Mattress



Tables and Chairs



Lifestyle Chairs



Parabolic leaf spring assembly



Multi leaf spring assembly



# 適合性認定および承認



CertiPur Certified



Proud Member of the International Sleep Association



9001:2015 Accredited



Trusted by the Philippine Orthopaedic Association



Superbrands "Philippines" Choice Awardee 2015-2016



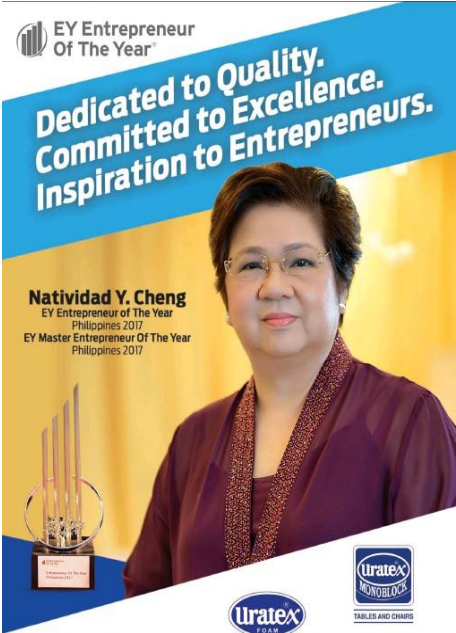
Reader's Digest Trusted Brand Platinum Awardee Philippines



ROHS Compliant



Sanitized



The RGC Group of Companies congratulates our Chairman and Chief Executive Officer, Natividad Y. Cheng, for being named Entrepreneur of the Year 2017 by the global accounting firm, Ernst and Young.



Uratex FOAM AUTOMOTIVE SEATING



ROBERTS AIPMC



RGC PHILIPPINES CORPORATION



Uratex MONOBLOCK TABLES AND CHAIRS



Uratex Premium MATTRESS



Ready-Wrap CONTAINERS



INOAC PHILIPPINES CORPORATION



sixinch

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# RGCの組織



**Mrs. Naty Cheng**  
President



**Mr. William Lee**  
Executive Vice President



**Mr. Eddie Gallor**  
Executive Vice President



## 自動車



### 生産性向上プログラムおよび 継続的工程改善

- 5S + 3S
  - Seiri ⇒ 整理
  - Seiton ⇒ 整頓
  - Seiso ⇒ 清掃
  - Seiketsu ⇒ 清潔
  - Shitsuke ⇒ 躰
  - Safety (安全確保)
  - Save Mother Earth (環境保護)
  - Stay Fit (健康維持)
- 改善/QCC – 品質管理サークル
- 小さな改善 ⇒ SGA (小集団活動)
- TPS ⇒ (RGCPS)



## 自動車 (2プラント)



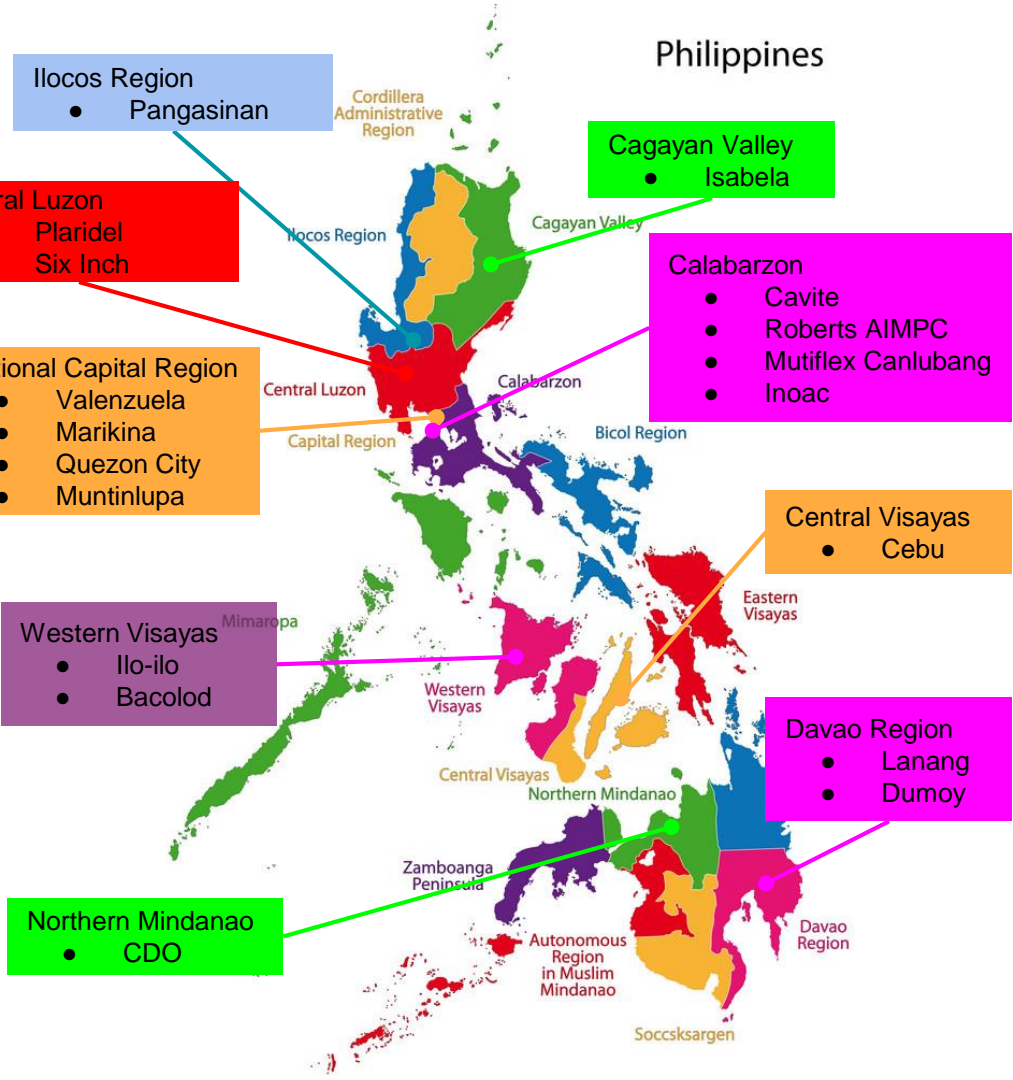
MULTIFLEX RNC  
AUTOMOTIVE SEATING



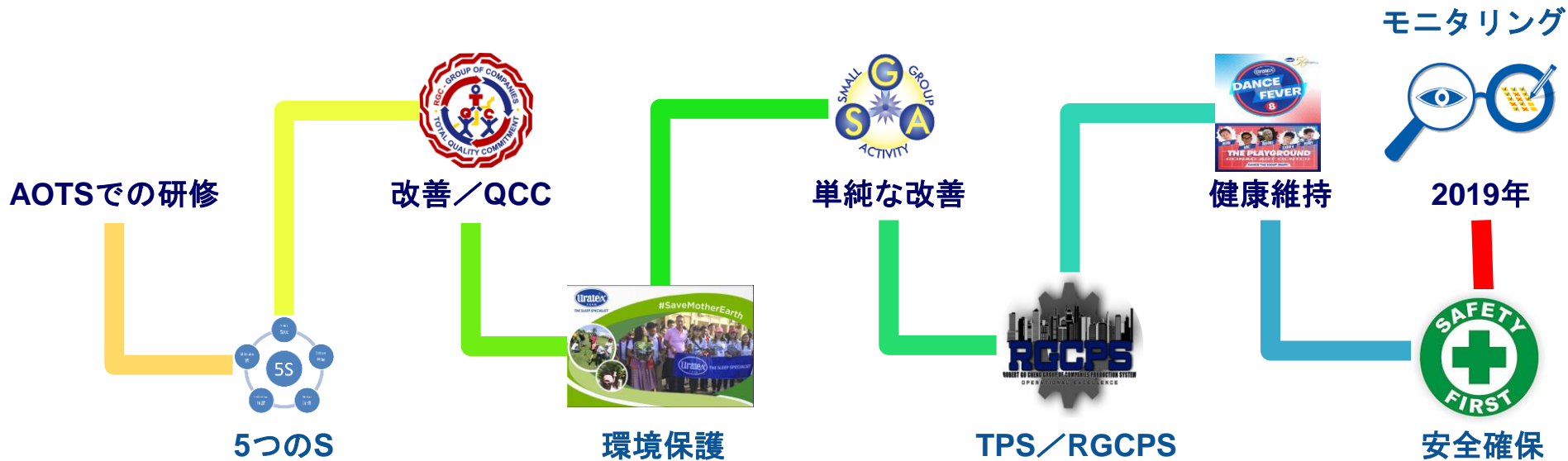
## 生産性向上プログラムおよび 継続的工工程改善 (23プラント)



MULTIFLEX RNC  
AUTOMOTIVE SEATING



# ロードマップ



1991年3月

・PPHE-1研修に参加

1992年

**5つのS**

- ・整理
- ・整頓
- ・清掃
- ・清潔
- ・躰

1994年

**QCC**  
品質管理サークル

2000年

**環境保護**  
環境保護活動

2002年

**SGA**  
小集団活動  
単純な改善

2008年

**トヨタ生産方式 (TPS)**  
RGC Group of Companies生産方式 (RGCPS) として

2010年

健康維持 ⇒ ズンバ

2012年

安全確保

# 継続的改善

- 5 S + 3S
  - Seiri ⇒ 整理
  - Seiton ⇒ 整頓
  - Seiso ⇒ 清掃
  - Seiketsu ⇒ 清潔
  - Shitsuke ⇒ 躰
  - Safety (安全確保)
  - Save Mother Earth (環境保護)
  - Stay Fit (健康維持) ⇒ ズンバ
- 改善／QCC – 品質管理サークル
- 単純な改善 ⇒ SGA (小集団活動)
- TPS ⇒ RGCPS





Shitsuke  
躰

5S



Seiketsu  
清潔

flip.com

5S

Seiri  
整理



Seiton  
整頓



Seiso  
清掃

flip.com

Save Mother Earth  
(環境保護)



- ソーラーパネル
- 植樹プロジェクト
- 河川清掃プロジェクト

+3S

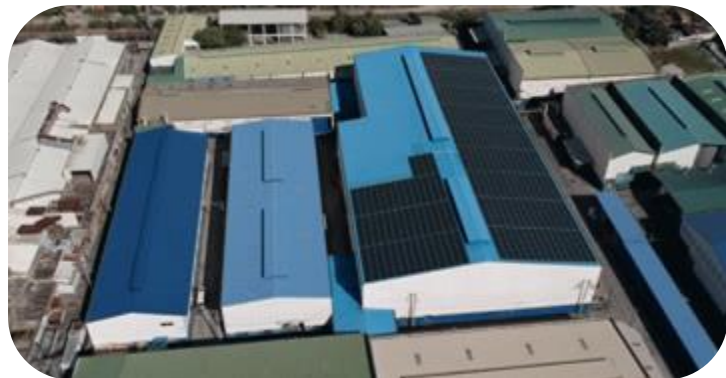


Stay Fit  
(健康維持)



- ズンバ
- 市民マラソン
- 体育祭

# 再生可能太陽エネルギープロジェクト



エネルギー節約

**335,613.31 kWh**

過去2年間の総節約量

コスト節約

**\$ 43,043.33**

過去2年間の総節約額



# 改善／品質管理サークル



- 25年間に及ぶ生産性
- 1994年に開始
- 1,150のQCCがエントリー
- Uratexのプライドを創出
- スキルおよび才能を開発
- より強力なチームおよび仲間意識
- 喜びと経験

QCCの除去プロセス



研修

1994年



2000年



社内大会

2006年



地域大会



2012年 世界大会



2018年



# 単純な改善またはSGA（小集団活動）



# 日本流の規律



# RGC PS : TPSの適合



# RGCPSの4つのステップ



## Step 1

Worksite And Standardization

“ To Standardized Work and Rules”

- 1.1 Worksite Control
- 1.2 Standardized Work



## Step 2

Continuous flow

Eliminate Stagnation

- 2.1 Smooth Flow
- 2.2 Allocate Equipment to Follow Smooth Flow
- 2.3 One-Piece Flow



## Step 3

Shipping management

Shorten Lead-time and Shipment Visualization

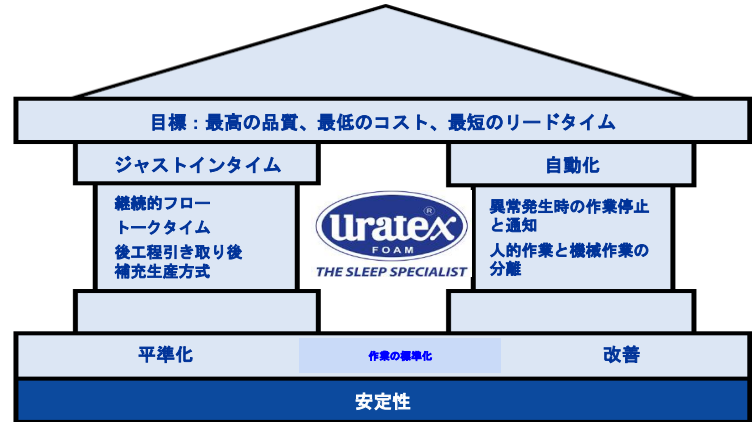
- 3.1 Transfer Sales Speed To Production Line
- 3.2 Improve Visualization
- 3.3 Minimize Area

## Step 4

Pull system

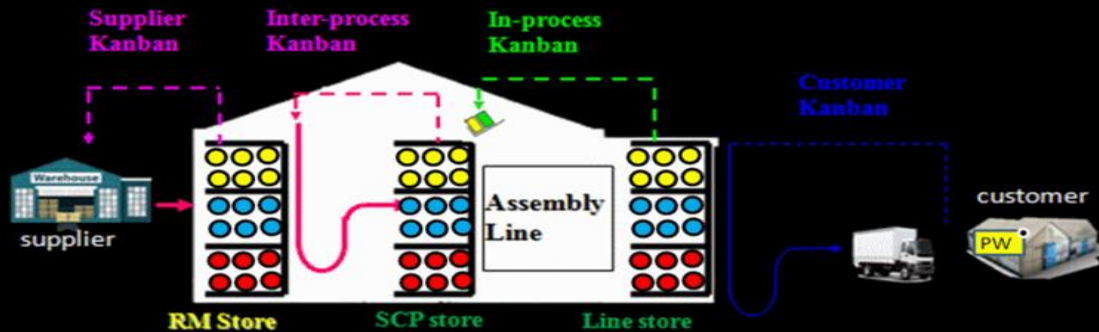
To Prevent Over Production

- 4.1 Put The Store Where it is produced
- 4.2 Produce the same amount of Kanban Pulled





# RGC PSの後工程引き取り後補充生産方式の実施

## カンバンの流れ





### 材料の向上


 50%の在庫減少

 スペース生産性

### 生産性の向上


 20%の生産能力向上


 マンアワーの短縮

 スペース生産性の向上

 作業停滞の減少

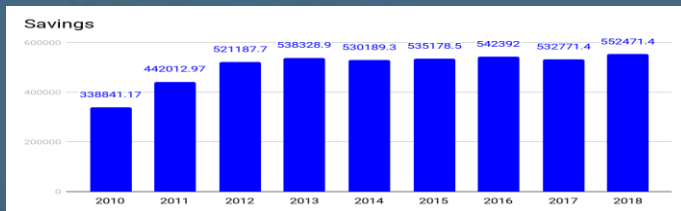
### 出荷の向上

 44%のリードタイム短縮

 スペース生産性の向上

 人手の減少

# 実施の成功要因



\$566,671.67

平均年間節約額



\$13,700



\$ 43,043.33



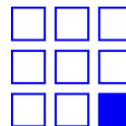
54%

リードタイム  
の短縮



4811 sqm

スペース  
生産性の向上



70%

マンアワーの  
短縮



60%

在庫の減少



63%

生産能力の  
向上



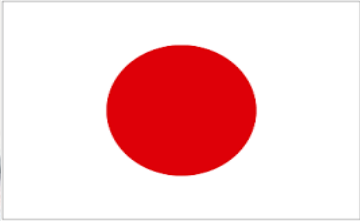
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SIGNING OF THE TECHNICAL  
ASSISTANCE AGREEMENT  
BETWEEN

POLYAM RGO  
CORP. FUTABA INDUST  
LTD.

NOV 1998





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The logo for AOTS, consisting of a large, light blue stylized letter 'A' above the letters 'AOTS' in a bold, grey, sans-serif font. The 'A' is composed of three chevron-like shapes pointing upwards and outwards. The text 'AOTS' is positioned directly below the 'A'.



**PHILCULTAROS**



# AOTS TRAINING PROGRAMS



## **SOLVING HUMAN AND ORGANIZATIONAL PROBLEMS**

May 7-18, 2018, CKC



## **Toyota Way of Management**

September 3-7, 2018 ,Aichi, Japan



## **EXECUTIVE PROGRAM ON CORPORATE MANAGEMENT**

July 23-August 3, 2018, TKC



## **AOTS Experience Japan Program**

December 17-21, 2018,TKC

# AOTS TRAINING PROGRAMS



**MR. TAKUMI YAMAZAKI – KUBOTA CORPORATION**  
NOV - FEB 14, 2018  
HOST COMPANY – ROBERTS AUTOMOTIVE and PCCI



**The Program of Eco Business Innovation**  
January 16-29, 2019 – KKC



**OVERSEAS TRAINING PROGRAM**  
**Monozukuri/kaizen/5s**  
January 23-34, 2019 Richmond Hotel



**The Program for Japanese Corporate Management**  
Feb 19-Mar 6, 2019 – KKC

Thank

you

