

## SBA Content :

- Why Safety First? (Safety Awareness)
- Safety Word
- Thailand's Safety Law and International Safety Standard System
- Fundamental of Machinery Safety (ISO12100)
  - Inherently Safe Design Measures
  - Protective Measures by Safeguarding
  - Complementary Protective Measure
  - Information for Use
- Guard and Interlock
- Operator Interface
- Safety Component
  - Door Interlock Switch
  - Interlocking Device
  - Light Curtain
  - Laser Scanner
  - Emergency Stop Switch
  - Enable Switch
  - Contactor (with Mirror Contact & Force Guided Relay)
  - Safety Controller
- Electrical Shock
- Overview to Risk Assessment

## Participant Occupational Qualification

- Safety Officers in Management, Vocational, and Supervisor Levels.
- Engineers who design or purchase machines.
- Factory engineers or persons who are responsible for work process improvement.
- Persons who are interested in occupational safety with machine.

## Participant Educational Qualification

High Vocational Certificate or higher, Major in Industrial Technician, Engineering, or Related Majors.

**Date** 5<sup>th</sup> Batch, June 27<sup>th</sup>, 2016 Room 6A Time: 9.00 – 16.30 (6 hours)

**Location** Technology Promotion Association (Thailand-Japan), Soi Pattanakarn 18

**Lecturer** Consultants and Industrial Specialists from Technology Promotion Association (Thailand-Japan)

Who are certified to be lecturers of SBA from Japan.

## Registration Fee (including test)

TPA Member 1,800 Baht/Person, Non-TPA Member 2,000 Baht/Person  
(Not included vat), 50 Participants Only.

# (SBA) Safety Basic Assessor



## Technology Promotion Association (Thailand-Japan)

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# Safety Basic Assessor (SBA)

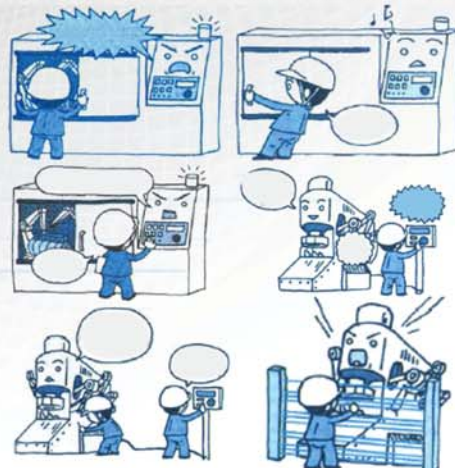
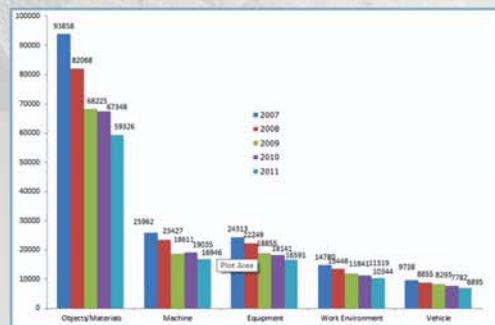
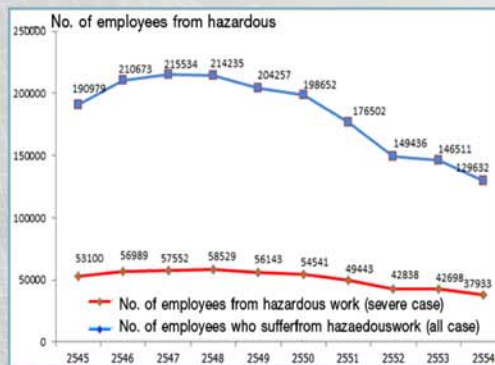
Safety at workplace is one of the important management indicators other than quality, cost, and delivery. Accident can inevitable cause an injury, death and morale of employee.

According to statistical data in Thailand during 2002-2011, the number of employees, who got accident from hazardous work in all cases including severe cases, tend to decline, but still in a concerned level.

The top 5 leading causes of employees' injury or illness are from objects and materials which is 46.23 % per year, then from machine 12.97 % and others shown by graph as below.

The injury from machine (eg. cutting, crushing, injuries by heat , etc.) are second category factor. The average of the danger is higher than the average of the danger from work environment category of 5%., therefore it is necessary to pay attention and prevent from those dangers. There are basic of machine preventions such as

- Training on safety awareness issue and how to work with machine safely in order to evaluate risk at work and instruct working operation with machine.
- Investment on high safety machines.
- Maintaining all machines which are currently in use in order to reduce the risk of accidents occurred in the acceptable level.



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Technology Promotion Association (Thailand-Japan) has been transferred knowledge in the course "Safety Basic Assessor (SBA)" from Japanese specialists incorporate with Nippon Electric Control Equipment Industries Association – NECA. This course contains useful knowledge for working with machine safely. To prepare for the higher level, this course has been divided into three levels as follows:

**Level 1**

Safety Basic Assessor (SBA), Training Period: 1 Day

**Level 2**

Safety Sub Assessor (SSA), Training Period: 2 Days

**Level 3**

Safety Assessor (SA), Training Period: 3-4 Days

The basic course of SBA will be launched in 2015, then intermediate course and advanced level respectively.

Training Plan			
	2015	2016	2017
SBA	Oct and every 3 months		
SSA		Sep or Oct	
SA			Sep or Oct

Participants, who attend the training and pass the test, will get the SBA certificate which has been certified by Technology Promotion Association (Thailand-Japan) and Nippon Electric Control Equipment Industries Association (NECA)

## Objectives:

After participants attend the training program, they will be able to:

1. Aware the importance and have the consciousness of occupational safety in the workplace.
2. Explain International Safety Standard System and Thai Safety Standard System (on machine) as a reference on occupational safety.
3. Explain a basic safety system on machine (based on ISO12100).
4. Have knowledge of safety equipments for machine and use appropriately.
5. Explain a form of short circuit and prevent the danger from it.
6. Understand a basic of Hazardous Assessment on Occupational Safety with Machine according to ISO14121.