

# PROGRAM 2020

Alypz Radiation Safety Training



HRDF Claimable



CEP points awarded

# WORKING TOWARDS A SAFER ENVIRONMENT



Alypz Sdn. Bhd. (formerly known as Asia Lab) was incorporated in 1985 and was the first company in Malaysia that has dual accreditation from the Malaysian Atomic Energy Licensing Board and Ministry of Health. Alypz pioneered the Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) management programme in Malaysia in early 90's. Today, Alypz is the market leader serving all the top oil and gas companies in NORM/ TENORM monitoring services in ASEAN region, as well as providing comprehensive radiation services across various industries involved with radioactive materials. With strict adherence to our Quality Management System and MS ISO/IEC 17025, the company has demonstrated its excellent ability to be a primary radiation service provider to all its clients for the past 30 years.

In 2007, that is after 20 years being a successful market leader, ALYPZ started offering more monitoring and consultancy services for issues relate to industrial hygiene. With available resources and competencies, the company has demonstrated its ability to meet the requirements of the industries to assist them in controlling and managing the environmental and/or occupational exposure to radiation and hazardous chemicals.

Emphasizing that environment protection is important for survival, ALPYZ always committed "Towards a Safer Environment".

Alypz Accreditation includes:

1. H License from Ministry of Health, Malaysia
2. A, C, D, E, G and H Licenses from Atomic Energy Licensing Board, Malaysia
3. Accredited Laboratory ISO 17025
4. Surat Tanda Registrasi (Laboratorium Penguji Radioaktivitas) from BAPETEN, Indonesia
5. Vendor licenses from Petronas, Kuwait Oil Company, Joint Supplier Registration System (Oman)

## 1. Radiological Services

- TENORM and LSA Monitoring
- Radiation and Environmental Assessment Programme
- TENORM Decontamination Services
- Radiological Impact Assessment
- Radiation Safety Analysis
- Radioactive Balance Analysis

## 2. Radiation Safety Services

- Radiation Protection & Consultancy Services
- Radiation Leak Test Services
- Radiation Protection Program
- Radiological Emergency Plan
- Radioactive Security Plan
- Import/Export & Transportation of Radioactive Materials
- Disposal of Radioactive Materials

## 3. Industrial Hygiene Services

- HAZMAT Decontamination Services
- HAZMAT Monitoring Services



## 4. Training

- Radiation Safety Awareness Training
- TENORM Safety Awareness Training
- Radiation Protection Training for Officer
- HAZMAT Awareness Training
- Continuous Medical Education
- Radiation Safety and Emergency Management Training

## 5. Equipment Supplies

- Radiation Monitoring Equipment
- Scientific Laboratory Equipment
- Medical Equipment

## 6. Laboratory Services

- Radioactivity Analysis Lab
- Radiation Dosimetry Services Lab (OSL)

## 7. Medical Radiation Services

- Quality Assurance Tests and Certification for Medical X-ray Facilities
- X-Ray Room Certification

**Introduction**

Alypz Sdn Bhd is a licensed training and consultancy agency approved by the AELB, Malaysia. We provide training and consultancy services for the sectors involved with radioactive materials and irradiating appliances.

The course provides the fundamentals of regulatory requirements, policies and implementation practices for working with and supervising those who work with radioactive materials and irradiating appliances. The aim of this safety awareness training program is to help participants provide a safe environment for employees working in their organizations.

**Who Should Attend**

Company RPO, radiation workers, AELB License Holder (OBTL), radiographer and researchers, personnel dealing with radiation material, equipment & TENORM, any employee who are interested in radiation protection / safety awareness.

**Methodology**

- Participation Lecture
- Demonstration
- Discussion

**Course Objectives**

- Understand the best practises of protection from radiation risks and accidents
- Have detailed knowledge and understanding of ionizing radiation and their hazards and risks to our health
- Understand the legal requirement under Act 304

**Course Contents**

- Fundamental of Radioactivity
- Radiation Unit
- Biological Effects of Radiation
- Radiation Safety
- Instrumentation / Radiation Detection
- Dose Limitation
- Radiation Protection Programme(RPP)
- Radiation Safety Procedures
- Emergency Plan
- Radiation Regulation in Malaysia



**Introduction**

The exposure to radiation sources (TENORM, gauging) and irradiating appliances in various industries are increasing due to rapid development. To minimize radiation exposure, awareness among people dealing with radiation is important.

The training is designed based on the standard syllabus for the Radiation Protection Officer (RPO) competency training, provided by the National Committee for the Certification of the RPO. The objective of this course is to provide the participants with complete information/knowledge before sitting for the RPO examination.

**Who Should Attend**

Those who are looking to be certified as Radiation Protection Officer (RPO) and/or Radiation Protection Supervisor (RPS), safety officer, manager, supplier, medical officer and those who are responsible for the safe use of ionising radiation in various activities.

**Course Objectives**

- Understanding the philosophy and principles of radiation protection in controlling the radiation exposure from ionizing radiation
  - To enhance skills and knowledge that lead to safe practice of radiation safety at workplace
- To prepare participant with complete information before sitting for RPO examination

**Methodology**

- Lecture
- Tutorial
- Role play
- Demonstration
- Practical
- Case study
- Video presentation

**Course Contents**

- Basic Information on Ionizing Radiation
  - Principles of Radiation Protection
  - Biological Effects of Ionizing Radiation
  - Radiation Measurement and Monitoring
- Working Procedures in Handling the Irradiating Apparatus and Radioactive Materials
  - Transportation of Radioactive Materials
  - Management of Radioactive Waste
- Plan and Procedures for Radiological Emergency
- Atomic Energy Licensing Act and Radiation Protection Programme
  - Radiation Safety Audit
- Safety and Security of Radioactive Materials
  - Safe Working Procedures
  - Demonstration / Practical

**Introduction**

This training will run concurrently with our ALM100 (Radiation Safety Awareness Training). On the second day of training we will emphasize on the management of safety and security of radiation by teaching:

- Radiological emergency procedure planning;
- Radioactive materials transportation management ;
- Radioactive waste management ;
- Radiation Safety Management System

**Who Should Attend**

Those who are looking to be certified as Radiation Protection Officer (RPO) and/or Radiation Protection Supervisor (RPS), safety officer, manager, supplier, medical officer and those who are responsible for the safe use of ionising radiation in various activities.

**Methodology**

- Lecture
- Tutorial
- Role play
- Demonstration
- Practical
- Case study
- Video presentation

**Course Objectives**

- Understand the best practises of protection from radiation risks and accidents
- Have detailed knowledge and understanding of ionizing radiation and their hazards and risks to our health
- Understand the legal requirement under Act 304 and how to abide by it

**Course Contents**

- Plan and Procedures for Radiological Emergency
- Transportation of Radioactive Materials
- Management of Radioactive Waste
- Radiation Safety Management System
- Maintenance of Radiation Sources and Safety Equipment



## **ALM103R** MERCURY AWARENESS COURSE KURSUS KESEDARAN MERKURI



### **Introduction**

Mercury awareness course is important for all onshore and offshore personnel who may encounter mercury during their daily operations. This course covers the basic of mercury and provides information regarding the properties of mercury and the hazards it presents - both to people and to the environment. The course describes the equipment used to measure mercury and the personal protective equipment that should be worn when working in an environment where mercury may be present. Some of the other topics covered include the management of waste contaminated by mercury and the first aid measures and emergency response actions that should be taken in the event of mercury contamination.

### **Course Contents**

- What is Mercury
- Overview of Mercury and its properties
  - Mercury and its effects
  - Mercury control measures
  - PPE requirements
- Mercury Waste management
- Mercury Emergency response

## **ALM104R** NORM/TENORM AWARENESS COURSE KURSUS KESEDARAN NORM/TENORM



### **Introduction**

The NORM/TENORM Awareness course is designed for the awareness level only. This basic level of NORM/TENORM Awareness Course is designed to inform the employee where they can recognize the hazard and to adhere the safe working procedures when dealing with NORM/TENORM. The Course is typically provided to oil and gas operator employees and other workers who need to understand the risks of working around NORM/TENORM. We can conduct sessions at our facility or a location of your choice. Upon completion of the course the participants will be familiar with

- What is NORM
- Where the NORM comes from
- Basic radiation safety
- Biological concerns
- Radiation safety procedures
- Legislative requirements with regards to NORM/TENORM

Both of the courses listed above are available on request basis. Contact us and we'll set up a time and location convenient for you.

# **CME** CONTINUING MEDICAL EDUCATION PENDIDIKAN PERUBATAN BERTERUSAN



## **Introduction**

Alypz offer continuing Medical Education to enhance the doctors and radiographer knowledge regarding the basic of Ionizing Radiation, Radiation Protection, and updates on Radiography technique in Malaysia. For license renewal or professional development, doctors and radiographer will find high quality, accredited and non-accredited continuing education geared toward radiography assessment for every patient's needs.

## **Who Should Attend**

Doctors, radiographers, trained operator, any employee who are interested in radiation protection / safety awareness

## **Course Objectives**

- Understand the best practice of protection from radiation risks and hazards in medical sector
- Have detailed knowledge and understanding of ionizing radiation and their hazards and risks to our health
- Understand the legal requirement under Act 304

## **Methodology**

- Lecture
- Tutorial
- Role play
- Demonstration
- Practical
- Case study
- Video presentation

## **Course Contents**

- Basic Physics and Principles of Radiation Protection
- Radiation Hazards and Biological Effects of Ionizing Radiation
- X-ray Equipment and Associated Facilities
- Quality Assurance Programme (QAP) in General Radiography
- Legislative Requirement under Act 304 for Medical Purposes





# TRAINING PROGRAMME

Course Code	Course Title	Venue	Date	AELB CEP Points	Training Fee (Single)	Training Fee (Teams)
ALM 100	Radiation Safety Awareness Training	Miri	22/1/2020	7.5	550	520
		Miri	8/4/2020	7.5	550	520
		USJ	15/1/2020	7.5	550	520
		USJ	26/2/2020	7.5	550	520
		USJ	25/3/2020	7.5	550	520
		USJ	8/7/2020	7.5	550	520
		USJ	26/8/2020	7.5	550	520
		USJ	23/9/2020	7.5	550	520
		USJ	21/10/2020	7.5	550	520
		USJ	18/11/2020	7.5	550	520
		USJ	16/12/2020	7.5	550	520
ALM 101	Radiation Protection Training for Officers	USJ	10-20/2/2020		2600	2480
		USJ	6-16/4/2020		2600	2480
		USJ	13-23/7/2020		2600	2480
		USJ	3-13/8/2020		2600	2480
		USJ	5-15/10/2020		2600	2480
		USJ	30/11-10/12/2020		2600	2480
ALM 102	Radiation Safety and Emergency Management Training	Miri	22-23/1/2020	15	1000	950
		Miri	8-9/4/2020	15	1000	950
		USJ	15-16/1/2020	15	1000	950
		USJ	26-27/2/2020	15	1000	950
		USJ	25-26/3/2020	15	1000	950
		USJ	8-9/7/2020	15	1000	950
		USJ	26-27/8/2020	15	1000	950
		USJ	23-24/9/2020	15	1000	950
		USJ	21-22/10/2020	15	1000	950
		USJ	18-19/11/2020	15	1000	950
		USJ	16-17/12/2020	15	1000	950

## NOTES

1. Training Fee (Team) refers to team registration discount. This applies to registration for 3 or more people from one organization.
2. Training Venue is at Alypz offices. **USJ** refers to Alypz Training Center in USJ1, Subang Jaya, Selangor and **Miri** refers to Alypz Training Office in Miri, Sarawak.
3. The prices shown are before SST, and are subjected to SST where applicable.
4. Continuing Medical Education (CME) course venue will not change unless stated.
5. The list of confirmed venue can be obtained from our website ([www.alypz.com](http://www.alypz.com))

## CANCELLATION POLICY

Course cancellation must be done not later than 5 working days to the course date, failing which the full course fee will be charged. Substitution is welcomed anytime before the course start date.



# REGISTRATION FORM

## A) COURSE DETAILS

Course Code: .....

Date of the Course:                -                - 2020                ☐ Single Registration                ☐ Team Registration

## B) COMPANY DETAILS

Name of Company & Address: .....

.....

Tel: ..... Fax: .....

Contact Person: ..... Email: .....

## C) PARTICIPANT(S) DETAILS

No	Name (as in IC/Passport)	IC/Passport No	Email	Vegetarian yes/no

\* If there is more participants than the table allows, please attach the full list when returning this form.

## D) PAYMENT & APPROVAL

Payment Type:

- ☐ Cash  
☐ Cheque  
☐ Online Banking  
☐ Mastercard/Visa

All prices are subjected to SST where applicable.  
Cancellation is permitted 5 days before event, any later is deemed billable.  
Payment Information:  
Account Name: Alypz Sdn. Bhd.  
Bank Name: **CIMB Bank Berhad**      Account No.: **8 0 0 2 7 7 9 0 8 0**  
Swift Code: **CIBBMYKL**              Country: **Malaysia.**  
A copy of the payment slip and this form should be sent to us by fax (+603 8023 6530)  
or email (training.my@alypz.com)

Authorized Signatory: .....

Name:.....

COMPANY STAMP

**HEADQUARTERS (ALYPZ SDN BHD)**

14, Jalan Industri USJ 1/1,  
Taman Perindustrian USJ 1,  
47600 Subang Jaya, Selangor, Malaysia.

**(Training Center)**

1, Jalan Industri USJ 1/5,  
Taman Perindustrian USJ 1,  
47600 Subang Jaya, Selangor, Malaysia.

Tel: (+603) 80239200

Fax: (+603) 80236530

**PT Asia Lab (Indonesia)**

Ruko Graha Strategic (Gatic) Blok C-1  
Jalan Perumnas No.83, Caturtunggal,  
Depok, Sleman,  
55281 Yogyakarta, INDONESIA

TEL: +62 274 4469040

**MIRI OFFICE**

Lot 2562, Level 2, Jalan Bulatan Park,  
Bulatan Commercial Centre ,  
98000 Miri, Sarawak.

Tel: (+6085) 659096 / 659097

Fax: (+6085) 659098

**Kemaman Office**

K430, Tingkat 1,  
Taman Kemaman,  
24000 Kemaman, Terengganu.

Tel: (+609) 8503333

Fax: (+609) 8503330

**MIRI OFFICE**

1st floor, Lot 13, Block D,  
Permata Light Industrial Warehouse,  
Jalan Ranca-ranca,  
87008 Wilayah Persekutuan, Labuan.

Tel: (+6087) 422096

Fax: (+6087) 422097

**Email** [training.my@alypz.com](mailto:training.my@alypz.com)

**Website** [www.alypz.com](http://www.alypz.com)

**Facebook** [alypz.group](https://www.facebook.com/alypz.group)

**LinkedIn** [alypz](https://www.linkedin.com/company/alypz)

**Maps** <http://bit.ly/alypztraining>

