



HAI AU
AVIATION

**AVIATION MANPOWERS – TECHNICAL
TRAINING**

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FORWORDS

1. The development of AVIATION in Vietnam.
2. The need of manpower from aviation companies in Vietnam.
3. Type of jobs in AVIATION. Special in Technical side.
4. Aviation Training in Vietnam.
5. The difficulties from employer with new graduated engineers.
6. The ways of development for an engineer from the beginning.

AVIATION ACADEMY EDUCATION

1. Basic of general technical knowledge: very important.
2. The behavior of study and self-study: very important for aviation engineers.
3. English: almost graduated engineer is weak and lack of communication skill.
4. Practical.
 - A. Culture of working.
5. Target B1/B2 in USTH.

TYPES OF AVIATION TECHNICAL JOBS IN VIETNAM

1. Maintenance engineer/mechanic.
2. Maintenance management engineer.
3. Flight Operation engineer.
4. Air-traffic control engineer.
5. Others: sale engineer, training...

TECHNICAL MANPOWER STRUCTURE IN SOME AVIATION COMPANIES IN VIETNAM



1. Vietnam Airlines:

- 100%: maintenance management.

2. VAECO:

- Maintenance management: 150.
- Engineers/Licensed engineers: 300.

3. Vietjet Air:

- Maintenance management: 110.
- Engineer/Licensed engineer: 300
- Operation engineer: 50

TECHNICAL MANPOWER STRUCTURE IN SOME AVIATION COMPANIES IN VIETNAM



4. Pacific Airlines

- Maintenance management: 40.
- Maintenance: 110.
- Operation: 15

5. Vietstar

- Maintenance management: 30%.
- Maintenance: 70%

TECHNICAL MANPOWER STRUCTURE IN SOME AVIATION COMPANIES IN VIETNAM



SUMMARY OF MANPOWER STRUCTURE:

1. Maintenance engineers: 50%.
2. Maintenance Management engineers: 30%
3. Flight operation engineers: 10%
4. Others: 10%

DIFICULTIES OF AVIATION COMPANY IN EMPLOYMENT and USING ENGINEERS

1. In general

- Lack of source for all type of experience/licensed engineers.
- Take from competitive company.
- Expat.

2. With new graduated engineers:

- Lack of many skills and knowledge.
- Long time training more/expensive.
- Not stable.

3. In using:

- Usually interested in maintenance/not interested in study.
- Lazy/more need.
- Bad in follow principles (procedure, policy..)

MANTENANCE MANAGEMENT JOBS – AN INTERESTING/MORE NEED/NOT YET EDUCATING



1. What are maintenance management jobs:

- Engineering job: study, technical service, aircraft config management, airworthiness continuous management...
- Maintenance planning: long term, short term.
- Maintenance records.
- Supply and store.
- Quality insurance.
- Maintenance control/watch.

2. Why more need?

- Running very weak and overload in companies. Lack of source.
- Special/high skill and knowledge required.
- No standard training.

MANTENANCE MANAGEMENT JOBS – AN INTERESTING/MORE NEED/NOT YET EDUCATING

3. NOT YET IN EDUCATING

- Only self training in each company.
- Experience engineer trains new engineers.
- Some training topics from manufacturer/authority.
- Not yet training in University.



HOW AN UNIVERSITY BUILT UP MAINTENANCE MANAGEMENT TOPIC IN TRAINING



1. Training about characteristics of engineer jobs in aviation industry.
2. Aviation laws/regulations.
3. Basic of aviation engineering.
4. Basic of aviation planning.
5. Basic of aviation materials and records.
6. Practical in airlines.



THANK YOU FOR ATTENTION!