

Starting My Career in the Engineering Profession

Presenter Name: Ir. Mohd Noramil bin Mohd Daril

Date: 19.11.2024

Venue: The Pacific Sutera Hotel, Kota Kinabalu, Sabah



Background

51 years old

28 years of
experiences

MRSM Jasin

Master in
Engineering
Management,
UiTM

B.Sc in Mechanical
Engineering,
Bradley Univ., USA

Professional
Engineer in
Mechanical
Discipline

Matsushita

Design



Production /Manufacturing



Design & Manufacturing



Facilities Maintenance



Engineering Management



Sale & Maintenance



Lecturer



Service Maintenance



Entrepreneur



Service



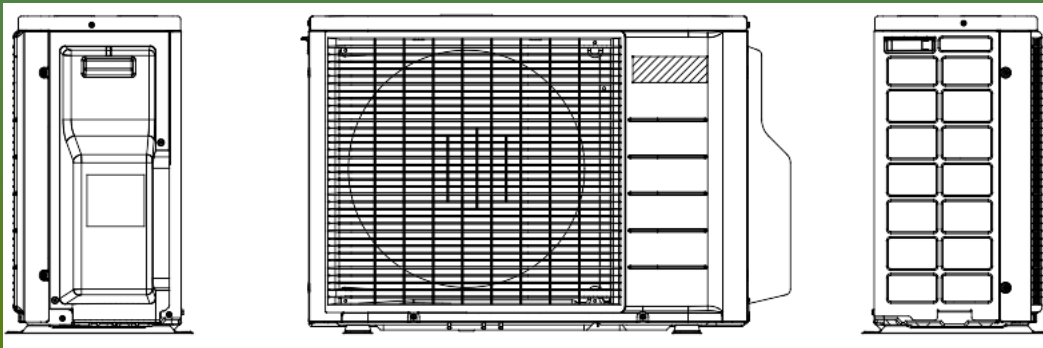
Regulator/ Authority

MATSUSHITA AIR-CONDITIONING R&D CENTRE: DESIGN



Research & Development

Split Unit Air-Conditioning



Assembly Number: 20-0001
Assembly Name: Ever
Assembly Revision: B
Approval Date: 24-J

BOM Level	0	1	2	3	4	5	6	7	8	Part
1		*								2
2			*							2
3				*						4
3				*						5
3				*						5
2			*							2
3				*						2
4					*					4
4					*					4
4					*					4
4					*					4
4					*					4
4					*					4
4					*					4

Bill of Materials (BOM)

Assembly

Sub-assemblies

A diagram showing the assembly of an office chair. The main assembly is an orange and white office chair. It is broken down into sub-assemblies: the seat, the backrest, the base, and the casters. Each sub-assembly is further detailed with its own components and quantities. For example, the backrest sub-assembly includes a backrest panel, a base, and two screws (x2). The base sub-assembly includes a base plate, four casters (x4), and a central screw.

ZANWA SDN BHD: MANUFACTURING

Manufacturing

1st Malaysian HV Oil Immersed Power Transformer

Commissioning



TRUSSCO PTE LTD (HSM MANUFACTURING): DESIGN & MANUFACTURING



Re-Engineering

Assembly



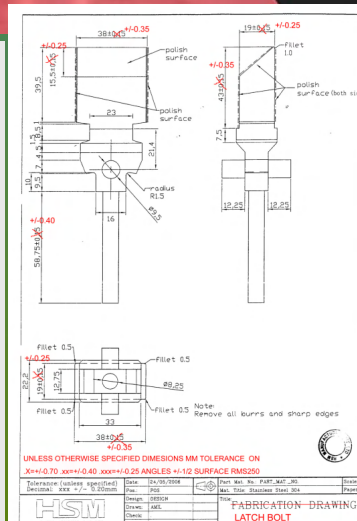
HSM 80



HSM 70



HSM 10



MANUFACTURING



Design

Designing

- Use AutoCAD, CADAM, SOLIDWORK
- Applied Standards (IEC, JIS, DIN)
- Used BOM



Production
/Manufacturing

Manufacturing:

- Reduce Waste (material, time, space)



Design &
Manufacturing

Commissioning:

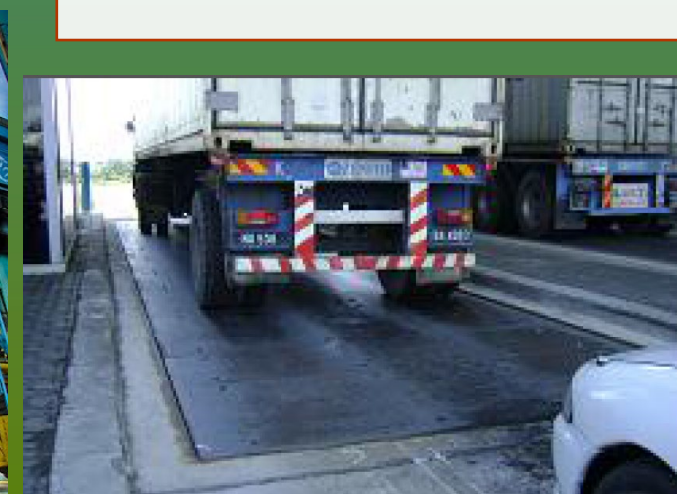
- Preparatory work
- Site Condition Survey

WESTPORTS BERHAD: FACILITIES MANAGEMENT



Maintenance

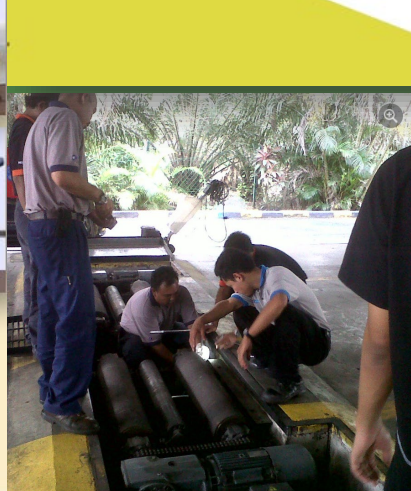
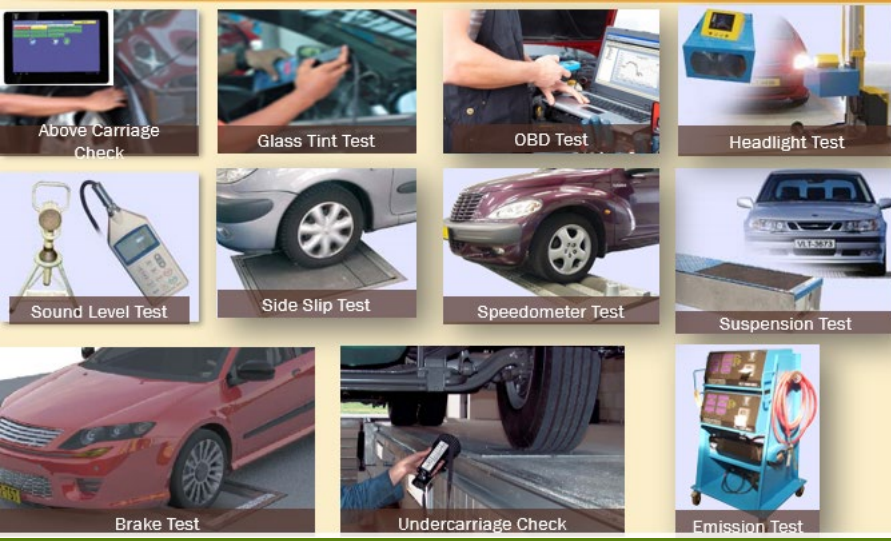
Improvement Project



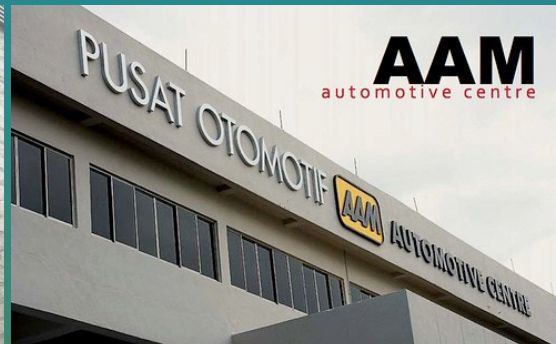
PUSPAKOM SDN BHD: ENGINEERING AND PROJECT MANAGEMENT

Project Management

Testing & Equipment



AUTOMOBILE ASSOCIATION OF MALAYSIA (AAM): SERVICES



Service Centre



Call Centre



ENGINEERING SERVICES



Facilities Maintenance

Lesson Learnt

Facilities Maintenance

- Customer Satisfaction
- Cost saving initiatives



Engineering Management

Project Management:

- Resource Management



Service Maintenance

Services:

- Budgetary
- Customer Satisfaction

Thank You



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Question & Answer

