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Facility Management

- JOB DESCRIPTION
  - JD-FM-001 □□□□□□□□□□□□□□□□
  - JD-FM-002 □□□□ Expert
  - JD-FM-003 □□□□□□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□ (WI)
  - WI-FM-001 □□□□ BMS □□□□□□□ Active Balancer □□□□□□□
  - WI-FM-002 □□□□□□□□□□□□□□□□□□□□□□□

JOB DESCRIPTION

JOB DESCRIPTION

JD-FM-001 ????????????????

[illegible] ([illegible])	[illegible]	[illegible] ([illegible])	Facility Management
[illegible]	[illegible] -[illegible]	[illegible]	[illegible] -[illegible]
[illegible]	[illegible] .[illegible]	[illegible]	G3

[illegible] (Job Purpose)

[illegible]

[illegible] (Key Responsibilities)

[illegible] / [illegible] (Key Responsibilities and Activities)	[illegible] (Key Objectives)	[illegible] (Performance Indicators)

[illegible] - [illegible] - [illegible] - [illegible] , [illegible] - [illegible] - [illegible] - [illegible] - [illegible] - [illegible]	- [illegible] - [illegible] PR/PO [illegible]	- [illegible] / [illegible] - [illegible] - [illegible] Breakdown [illegible] 1 [illegible] /[illegible]
[illegible] - [illegible] - [illegible] - [illegible] - [illegible]	- [illegible] - [illegible] - [illegible] - [illegible]	

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[illegible] /[illegible] /[illegible] (Major Challenges)

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- [illegible] [illegible]
- [illegible]

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□□□□□□ (Item)	□□□□□□□□□□□□□□□□□□ (Amount/Authorized level)		
	□□□□□□□□□□□□□□□ (Own Decision)	□□□□□□□□□□□□□□□ (Consulted by Superior)	□□□□□□□□□□□□□□□ □□□□□□□ (Superior Approval)
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(Certification/Licensing)

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[illegible]	[illegible]	2 [illegible]

[illegible] (Competencies)

[illegible] (Knowledge)	[illegible] (Skills)	[illegible] [illegible] / [illegible] (Mental Abilities/Personalities)
- [illegible] - [illegible] - [illegible] - [illegible] - [illegible]	- [illegible] - [illegible]	- [illegible] - [illegible] - [illegible] - [illegible] - [illegible] - [illegible] - [illegible] - [illegible]

JOB DESCRIPTION

JD-FM-002 ???? Expert

[illegible] **(** [illegible] **)**	[illegible] Expert	[illegible] **(** [illegible] **)**	Expert technician
[illegible]	[illegible] -[illegible]	[illegible]	[illegible] -[illegible]
[illegible]	[illegible] -[illegible]	[illegible]	G3

1. ????????????????????????? (Job Purpose)

[illegible]

2. ???????????????? (Key Responsibilities)

[illegible] / [illegible] **(Key Responsibilities and Activities)**	[illegible] **(Key Objectives)**	[illegible] **(Performance Indicators)**

2.1

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- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible] Willy
- [illegible] Willy [illegible]
- [illegible]
- [illegible]
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- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible] 90%
- [illegible] 80%
- [illegible] 3 [illegible]
- [illegible] 5% [illegible]
- [illegible] 98%
- [illegible] 100%

2.2

[illegible]

- [illegible]
- [illegible] Preventive Maintenance: PM
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible] **95%**
- [illegible] **95%**
- [illegible] **100%**
- [illegible] Breakdown [illegible] **1** [illegible]
- [illegible] 30 [illegible] **5%**
- [illegible] **95%**

2.3

- **95%**
- **100%**
- **95%**
- **80%**

2.4 • PPE • PPE • PPE • PPE • PPE • PPE • PPE • PPE • PPE	• PPE • PPE • PPE	• PPE **95%** • PPE **0** • PPE **100%** • PPE **95%**

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4. ?????????????/??????????/??????????? (Major Challenges)

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5. ???????????????????????????? (Subordinate's Responsibilities)

(Position)	(Job Scope)

6. ????????????? (Financial Responsibilities/Authorization)

[illegible]	[illegible]	[illegible]	[illegible]
1. [illegible]	✓		
2. [illegible]	✓		
3. [illegible]	✓		
4. [illegible]		✓	
5. [illegible]			✓
6. [illegible]			✓
7. [illegible]			✓
8. [illegible]			✓
9. [illegible]		✓	✓
10. [illegible]	✓		

7. ???????????????????????????? (Working Relationship)

[illegible]	[illegible]	[illegible]

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8. ?????????????????????? (Job Specifications)

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- [illegible]

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1. [illegible]
   [illegible]
   [illegible]
2. [illegible]
3. [illegible] [illegible]
   [illegible] [illegible]
   [illegible]

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[illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] **2** [illegible]

9. ??????????????????????? (Competencies)

[illegible] **(Knowledge)**	[illegible] **(Skills)**	[illegible] [illegible] /[illegible] **(Mental Abilities/Personalities)**

1. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□ 2. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□ 3. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□ 4. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□□ □□□□□□□□□□□ 5. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□ 6. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□ 7. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □ 8. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□ 9. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□ 10. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□ 11. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□ Willy □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□	1. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□ 2. □□□□□□□□□□□□□□□□ □□□□□□□□ □□□□□□□□□□□□□□□□ 3. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□ 4. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□ 5. □□□□□□□□□□□□□□□□□□□□ □□ □□□□□□□ □□□□□□□□□□□□□□□□ 6. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□ 7. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □ 8. □□□□□□□□□□□□□□□□□□□□ 9. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□ □□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ 10. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□	1. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□ 2. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□ 3. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□ 4. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □ 5. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□ 6. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□ 7. □□□□□□□□□□□□□□ □□□□□ □□□□□□□□□□□□□□□□□□□□ □□ 8. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□ 9. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□ 10. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□ 11. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□ 12. □□□□□□□□□□□□□□□□□□□□ □ □□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□ □

?????????????? (Others)

□□□□□□□□ **(Prepare By)**	□□□□□□□□□□ **(Approved By)**	□□□□□□□□□□□□□ **(Acknowledged By)**
(.....) □□□□□□ ...../...../.....	(.....) □□□□□□ ...../...../.....	(.....) □□□□□□ ...../...../.....

JOB DESCRIPTION

JD-FM-003

??????????????????????

( )		( )	Building & Facilities Maintenance Supervisor
	-[illegible]		-[illegible]
[illegible]	-[illegible]	[illegible]	G4

1. ??????????????????????? (Job Purpose)

[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible]
[illegible]
[illegible] [illegible]
[illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] Breakdown [illegible]
[illegible]
[illegible]
[illegible]

2. ????????????????? (Key Responsibilities)

/ **(Key Responsibilities and Activities)**	**(Key Objectives)**	**(Performance Indicators)**

2.1

- Brief
- Skill Matrix

- **95%**
- **5%**
- **5%**
- / **1**
- Skill Matrix **6**
- Coaching **100%**

2.2 [illegible]

[illegible]

- [illegible]
- [illegible] Preventive Maintenance Plan (PM)
- [illegible]
- [illegible] PM [illegible]
- [illegible] Breakdown [illegible]
- [illegible] Corrective Maintenance [illegible] Preventive Action
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible] Downtime

- [illegible]
- [illegible] Breakdown
- [illegible] Downtime [illegible]
- [illegible]
- [illegible]

- [illegible] PM [illegible] **95%**
- [illegible] **95%**
- Breakdown [illegible] PM [illegible] **1** [illegible]
- [illegible] 30 [illegible] **5%**
- [illegible] **100%**

2.3 [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible]	• [illegible] • [illegible] • [illegible] • [illegible]	• [illegible] **95%** • [illegible] **100%** • [illegible] **100%** • [illegible] **95%** • [illegible]

2.4 [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] Complaint [illegible] Rework • [illegible] • [illegible]	• [illegible] • [illegible] • [illegible] • [illegible]	• [illegible] **95%** • [illegible] **100%** • [illegible] **100%** • [illegible] **95%** • [illegible]

2.5 □□□□□□□□□□□□□□□□□□ □□□□□□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ • □□□□□□□□□□□□□□ □□□□ Standard Work / SOP / Checklist • □□□□□□□□□□□□□□ □□□□□□□ PPE □□□□□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□ • □□□□□□□□□□□□□□ □ □□□□□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□□□□□□ □□□□□□□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□ • □□□□□□□□□□□□□□ □□□□ Accident / Incident / Near Miss • □□□□□□□□□ Root Cause Analysis □□□□□□□□□□□□□ • □□□□□ Corrective Action □□□ Preventive Action • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□	• □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □	• □□□□□ PPE □□□□□□□□□□□□□□ □ **100%** • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ **0** □□□□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□ **95%** • □□□□ Incident/Near Miss □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□ **100%**

2.6 [illegible] • [illegible] (Scope of Work) • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] Punch List [illegible] • [illegible]	• [illegible] • [illegible] • [illegible]	• [illegible] **100%** • [illegible] Punch List [illegible] **95%** • [illegible] **100%**

2.7 [illegible] [illegible] [illegible] • [illegible] • [illegible] • [illegible] Minimum Stock [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible]	• [illegible]	• [illegible] **95%** • [illegible] **98%** • [illegible] Critical [illegible] Stock Out [illegible]

2.8 □□□□□□□□□ □□□□□□□□ □□□□□□□□□□□□□□□□□□ □□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□ • □□□□□□□□□□□□□□ □□□□ Repair / Replace / Upgrade • □□□□□□□□□□□□□□ □□□□□□□□ □□□□□□ □□□□□□□□□ • □□□□□□□□□□□□□□ □□□□□□□□ PR / PO • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □ • □□□□□□□□□□□□□□ □□□□□□□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ • □□□□□□□ Replacement □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□	• □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□	• □□□□□□ PR / PO □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□ **98%** • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ • □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□ □□□□□□□□

2.9 [illegible] [illegible] [illegible] [illegible] Dashboard [illegible] [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] SLA • Breakdown • [illegible] PM • PM Compliance • Rework • [illegible] • [illegible] /[illegible] • Incident / Near Miss • [illegible] • [illegible] • Top 5 [illegible] [illegible]	• [illegible]	• [illegible]

3. ???????????????????

- [illegible]
- [illegible]
- [illegible] Willy
- [illegible] Willy
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible] PR/PO
- [illegible]
- [illegible]
- [illegible]

4. ??????????????/????????????/???????????? (Major Challenges)

1. [illegible]
2. [illegible] [illegible] [illegible]
3. [illegible] [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible] [illegible] [illegible] [illegible]
8. [illegible] [illegible] [illegible] [illegible]
9. [illegible]
10. [illegible] [illegible]
11. [illegible] [illegible]
12. [illegible] [illegible]

5. ?????????????????????????????? (Subordinate's Responsibilities)

[illegible]

[illegible] [illegible]
[illegible]
[illegible]

[illegible] (Position)	[illegible] (Job Scope)

6. ?????????????? (Financial Responsibilities/Authorization)

[illegible]	[illegible] [illegible]	[illegible] [illegible] [illegible]	[illegible] [illegible] [illegible]
1. [illegible] [illegible]	✓		

2. [illegible]	✓		
3. [illegible]	✓		
4. [illegible]	✓		
5. [illegible]	✓		
6. [illegible]	✓		
7. [illegible] /[illegible]		✓	
8. [illegible]		✓	
9. [illegible] Specification			✓
10. [illegible]			✓
11. [illegible]			✓
12. [illegible]			✓
13. [illegible]			✓

7. ??????????????????????????? (Working Relationship)

[illegible]	[illegible]	[illegible]
1. [illegible] - [illegible]	[illegible] KPI	[illegible] /[illegible]

2. □□□□□□□□□□□□	□□□□□□□□□□□□ □□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□ □□□□□□□□ □□□□□□□□□□□□□□□□□	□□□□□□□
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8. ?????????????????????? (Job Specifications)

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2. [illegible]
3. [illegible]

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[illegible] **2** [illegible]

9. ??????????????????????? (Competencies)

[illegible] **(Knowledge)**	[illegible] **(Skills)**	[illegible] / [illegible] **(Mental Abilities/Personalities)**

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□□□□□□□□ **(Prepare By)**	□□□□□□□□□□ **(Approved By)**	□□□□□□□□□□□□□ **(Acknowledged By)**
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WI-FM-001 ???? BMS ??????? Active Balancer ???????

image-1657176912690.png

balance **BMS** **passive balancer** balance cell (3.65V LiFePo4)

Active balancer balance cell 0.1V (spec.) project

image-1657176947129.png

> BMS ! cell threshold voltage balance!

?????/???????

image-1657177440122.png

[??? BMS ?????????]

- /
- /

Balance solar charger ( ) (float voltage) cell

image-1657177822488.png

[??? BMS + Active Balancer]

- BMS
  BMS

/
UPS spec BMS
(BMS 10-20A
web) cell
3.0V (x4 = 12V) UPS
10V BMS
BMS( ) recover
BMS
cell 2.5V (
BMS
40-60A)

image-1657177160395.png

[??? Active Balancer ??????????]

- discharge BMS
- BMS

DOD
! UPS
UPS
200W
17A (backup)
10V UPS
UPS 12V
13.5V

cell 3.375V
Active Balancer balance
cell 0.1V
spec. BMS /
Active Balancer

[illegible] (WI)

WI-FM-002

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image.png

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2. [illegible]

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