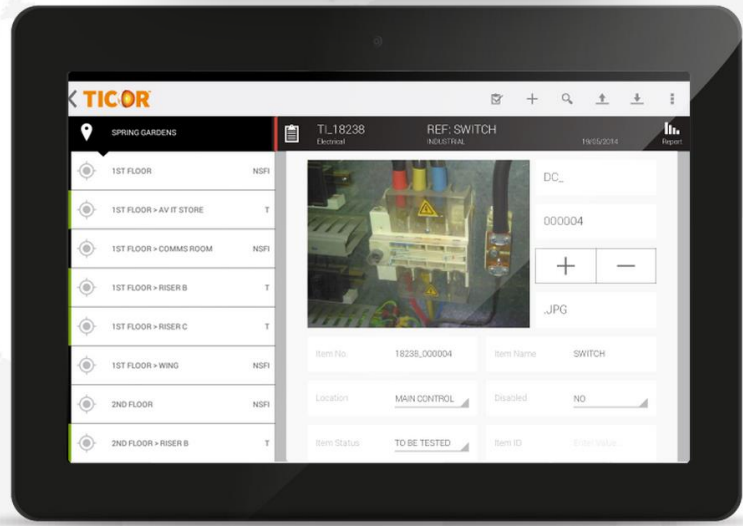


# Software Insight - How It Works

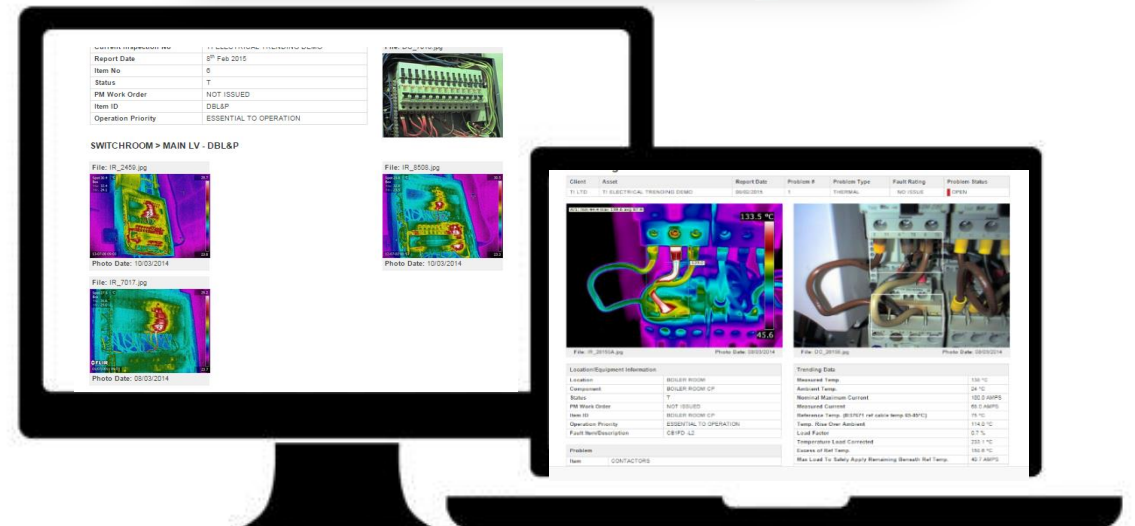
# TICOR™



## Key Benefits

- Ability to report during inspection / survey
- Generate a one click report
- Built on knowledge based libraries
- Reduced reporting time on survey completion
- Load correction formulas for electrical inspections
- Thermal indexing formulas for building inspections
- Pixel counting for spot measurement
- Preload inventory
- Check images in one click

# WEBCOR™



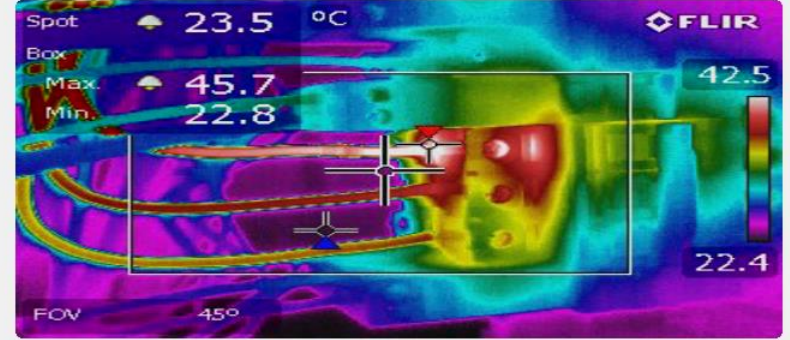
## Key Benefits

- Analyse and trend data collected
- Approve and sign off inspections
- Generates remedial work sheets and plan maintenance
- See Critical, serious, important & minor faults and problems
- Inventory & asset management
- Send Notification Emails of problems
- Set up inspections, clients , sites and manage reports
- Easy access online campaign management

📍 1-3 BISHOPSGATE

📄 TI\_ELECT\_HMC\_1-3\_001: TI\_18273  
Electrical

- 📍 1 LOBBY T
- i** 1 DB/LL/DB2 T
- i** DB/LL//1L1 T
- i** DB/LL//1L2 T
- i** DB/LL//1L3 T



DC\_

IR\_

0516

0515

— +

— +

jpg

jpg

**Problem No.**  
1

**Status**  
Open

**Type**  
Thermal

**Fault Rating**  
Serious

**Note**  
WAY 7

**Item** +



📍 1-3 BISHOPSGATE

📄 TI\_ELECT\_HMC\_1-3\_001: TI\_18273  
Electrical

- 📍 1 LOBBY T
- i 1 DB/LL/DB2 T**
- i DB/LL/1L1 T
- i DB/LL/1L2 T
- i DB/LL/1L3 T

- CONTROL PANEL
- DISTRIBUTION BOARD ✓
- HV
- JUNCTION BOXES
- LAN

- SCHNEIDER ✓
- SIEMANS
- SOCAMEC
- SQUARE D
- TELEMECANIQUE

**Anomaly** +

- INDICATED HIGHER TEMPERATURE THAN EXPECTED ✓
- INDICATED LOWER TEMPERATURE THAN EXPECTED
- NO SAFE ACCESS TO EQUIPMENT

**Root Cause** +

- COMPONENT NOT OPERATING CORRECTLY
- EXCESSIVE MOISTURE IN SWITCHROOM
- EXCESSIVE ROOM AMBIENT TEMPERATURE
- FURTHER INVESTIGATION REQUIRED TO PIN POINT ROUTE CAUSE OF THERMAL ANOMALY
- MEASURED TEMP EXCEEDS BS REFERENCE

**Remedial** +

- CHECK, CLEAN & RE-MAKE CONNECTION TO PRESCRIBED STANDARD ✓
- FOR INFORMATION PURPOSES ONLY
- FURTHER INVESTIGATION REQUIRED



📍 1-3 BISHOPSGATE

📄 TL\_ELECT\_HMC\_1-3\_001: TL18273  
Electrical

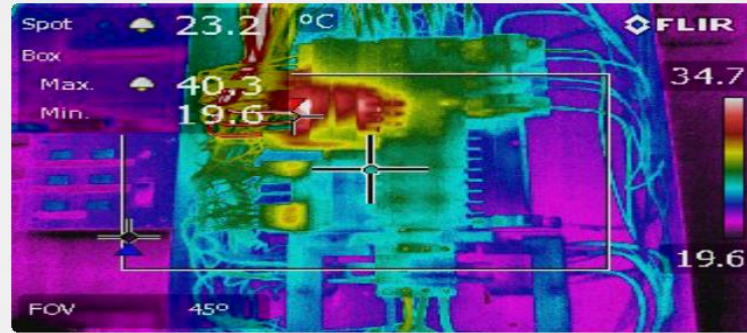
📍 1 LOBBY T

📍 1 DB/LL/DB2 T

📍 DB/LL/1L1 T

📍 DB/LL/1L2 T

📍 DB/LL/1L3 T



IR\_

0513

— +

jpg

**Fault Rating**

Serious

**Measured Temp.**

44.0

**Ambient Temp.**

19.0

**Nominal Maximum Current**

50.0

**Measured Current**

23.0

**Reference Temp. (BS7671 ref cable temp 65-85°C)**

75.0

**Temp. Rise Over Ambient**

25.0

**Load Factor**

0.5

**Temperature Load Corrected**

103.9

**Excess of Ref Temp.**

**Max Load To Safely Apply Remaining Beneath Ref Temp.**



- 📍 1-3 BISHOPSGATE
- 🔧 1 LOBBY T
- 📄 1 DB/LL/DB2 T**
- 📄 DB/LL//1L1 T
- 📄 DB/LL//1L2 T
- 📄 DB/LL//1L3 T

📄 TI\_ELECT\_HMC\_1-3\_001: TI\_18273  
Electrical

Measured Temp.

44.0

Ambient Temp.

19.0

Nominal Maximum Current

50.0

Measured Current

23.0

Reference Temp. (BS7671 ref cable temp 65-85°C)

75.0

Temp. Rise Over Ambient

25.0

Load Factor

0.5

Temperature Load Corrected

103.9

Excess of Ref Temp.

29.4

Max Load To Safely Apply Remaining Beneath Ref Temp.

38.6

Voltage

0

L1 Load

0

L2 Load

0

L3 Load

0

Neutral Load

0

Ultrasonic Reading

0





TI\_ELECT\_HMC\_1-3\_001: TL18273

Electrical



DC\_

0514

— +

jpg

Item No.

1

Item ID

DB/LL/DB2

Parent

None

PM Work Order

NOT ISSUED

Status

TESTED

Trending Data

You have 1 records.

Add trending data

Item Name

DB/LL/DB2

Location

LOBBY

Disabled

No

Operation Priority

ESSENTIAL TO OPERATION

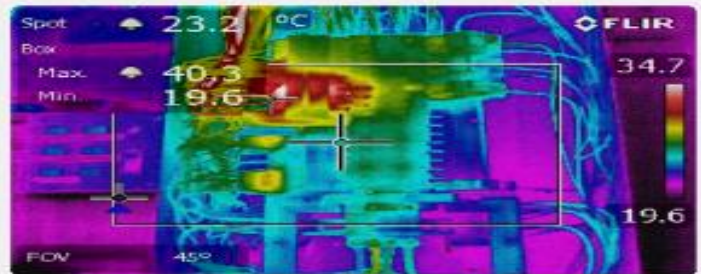
Problems

You have 1 open problem.

Add problem







IR\_

0513

— +

jpg

**Fault Rating**

Serious

**Measured Temp.**

44.0

**Ambient Temp.**

19.0

**Nominal Maximum Current**

50.0

**Measured Current**

23.0

**Reference Temp. (BS7671 ref cable temp 65-85°C)**

75.0

**Temp. Rise Over Ambient**

25.0

**Load Factor**

0.5

**Temperature Load Corrected**

103.9

**Excess of Ref Temp.**

29.4

**Max Load To Safely Apply Remaining Beneath Ref Temp.**

38.6

**Voltage**

0

**L1 Load**

0

**L2 Load**

0

**L3 Load**

0

**Neutral Load**

0

**Ultrasonic Reading**


0

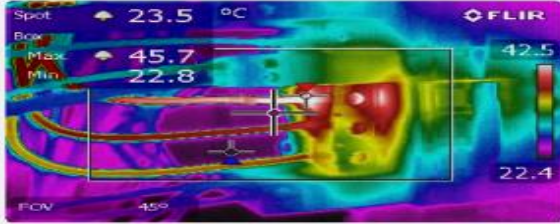




< **TICOR** ✓ 🔍 📷 ⬆️ ⬇️ 📶 DELETE ☰

📄 TL\_ELECT\_HMC\_1-3\_001: TL18273  
 Electrical





DC_	IR_
0516	0515
<input type="button" value="—"/> <input type="button" value="+"/>	<input type="button" value="—"/> <input type="button" value="+"/>
jpg	jpg
<b>Problem No.</b>	<b>Status</b>
1	Open
<b>Type</b>	<b>Fault Rating</b>
Thermal	Serious
<b>Note</b>	<b>Item</b> <span style="float: right;">+</span>
WAY 7	ELECTRICAL SWITCHBOARDS OR PANELS <span style="float: right;">✓</span>
	FANS AND COMPONENTS
	FUSES AND CARRIERS
	HEATERS
	INSULATOR
<b>Type</b> <span style="float: right;">+</span>	<b>Manufacturer</b> <span style="float: right;">+</span>
CONTROL PANEL	SCHNEIDER <span style="float: right;">✓</span>
DISTRIBUTION BOARD <span style="float: right;">✓</span>	SIEMANS
HV	SOCAMEC
JUNCTION BOXES	SQUARE D
LAN	TELEMECANIQUE
<b>Anomaly</b> <span style="float: right;">+</span>	<b>Root Cause</b> <span style="float: right;">+</span>
INDICATED HIGHER TEMPERATURE THAN EXPECTED <span style="float: right;">✓</span>	COMPONENT NOT OPERATING CORRECTLY



TI\_ELECT\_HMC\_1-3\_001: TI\_18273

Electrical

**Problem No.**

1

**Type**

Thermal

**Note**

WAY 7

**Type**

- CONTROL PANEL
- DISTRIBUTION BOARD ✓
- HV
- JUNCTION BOXES
- LAN

**Anomaly**

- INDICATED HIGHER TEMPERATURE THAN EXPECTED ✓
- INDICATED LOWER TEMPERATURE THAN EXPECTED
- NO SAFE ACCESS TO EQUIPMENT

**Remedial**

- CHECK, CLEAN & RE-MAKE CONNECTION TO PRESCRIBED STANDARD ✓
- FOR INFORMATION PURPOSES ONLY
- FURTHER INVESTIGATION REQUIRED

**Status**

Open

**Fault Rating**

Serious

**Item**

- FUSES AND CARRIERS
- HEATERS
- INSULATOR
- INVERTERS
- ISOLATORS OR SWITCH DISCONNECTS

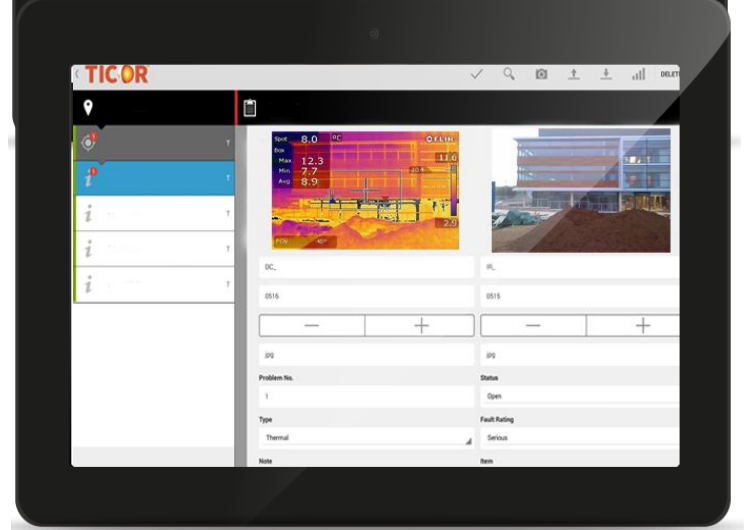
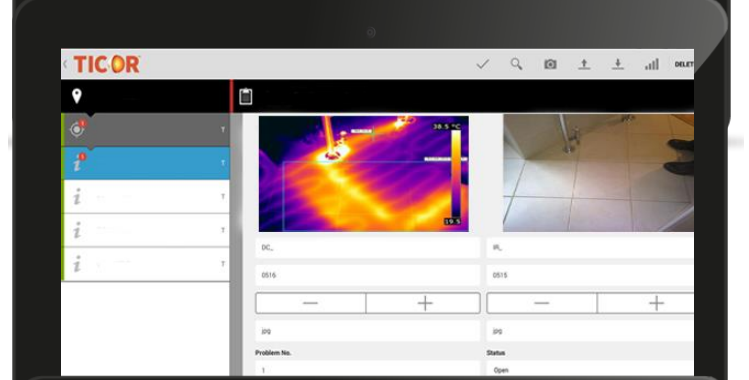
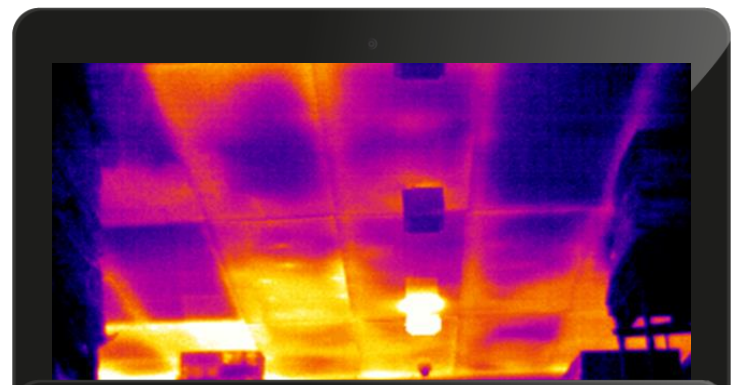
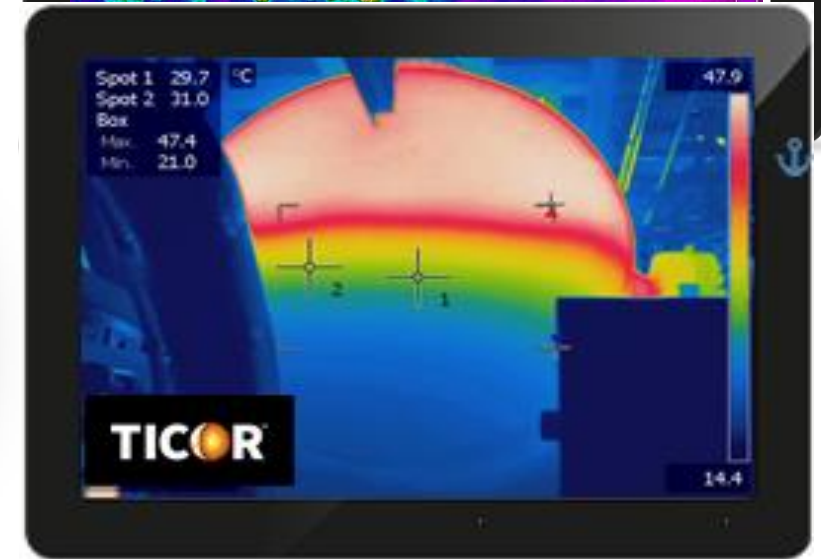
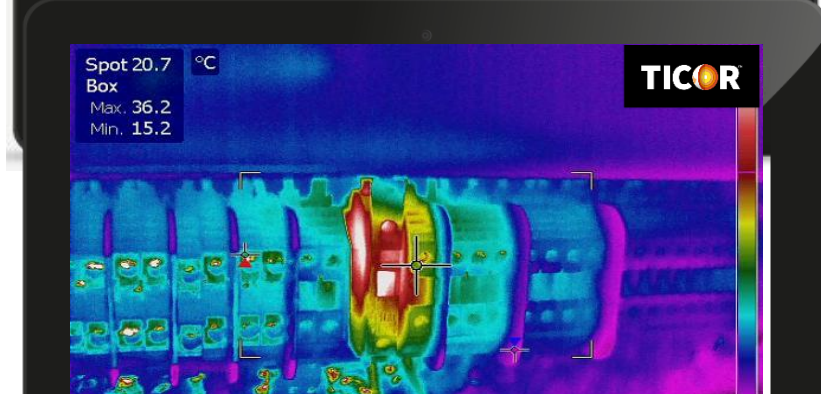
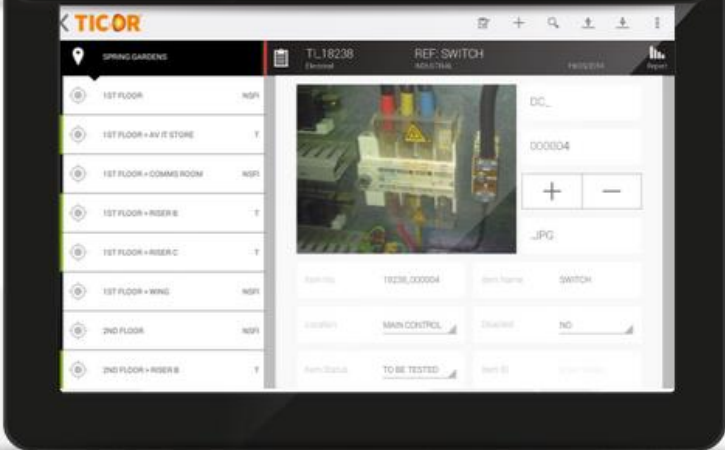
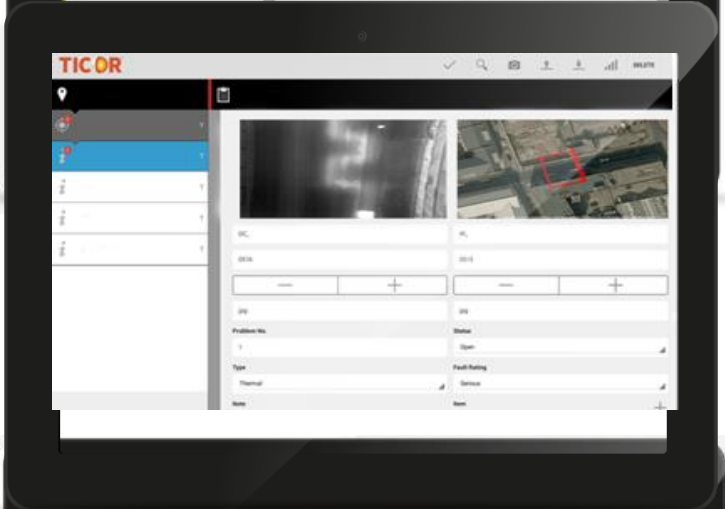
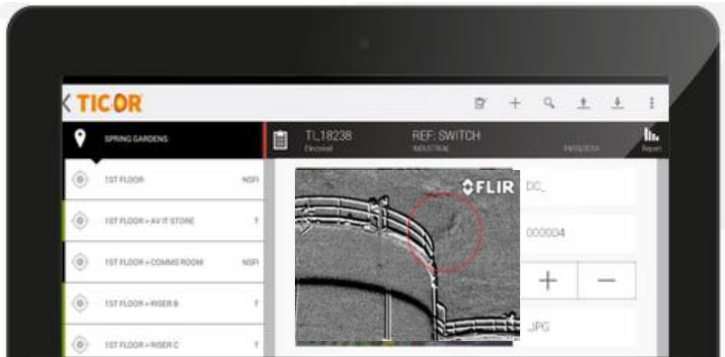
**Manufacturer**

- SCHNEIDER ✓
- SIEMANS
- SOCAMEC
- SQUARE D
- TELEMECANIQUE

**Root Cause**

- COMPONENT NOT OPERATING CORRECTLY
- EXCESSIVE MOISTURE IN SWITCHROOM
- EXCESSIVE ROOM AMBIENT TEMPERATURE
- FURTHER INVESTIGATION REQUIRED TO PIN POINT ROUTE CAUSE OF THERMAL ANOMALY
- MEASURED TEMP EXCEEDS BS REFERENCE







Select client:  Select site:  From:  To:



List of Inspections

« < 1 2 3 ... 134 135 136 > »

Reference	Date	Type	Status
TI_18543 WITCHES SOLAR FARM-2	06/06/2015	Electrical	Closed
TI_18382 BRITISH COUNCIL - SPRING GARDENS-2	21/06/2015	Electrical	Closed
TIELECTRICAL, TRENDING DEMO-4-2	21/04/2015	Electrical	Closed
TI_19088	18/04/2015	Electrical	In Progress
TI_19088	18/04/2015	Electrical	In Progress

List of Problems

« < 1 2 3 ... 511 512 513 > »

No.	Date	Inspection	Status	Fault
3	11/04/2015	TI_19088	Open	Critical
2	11/04/2015	TI_19088	Open	Important
1	11/04/2015	TI_19088	Open	Critical
2	10/04/2015	TI_19088	Open	Critical
1	10/04/2015	TI_19088	Open	Important



Inspections **Inspect** Add New +

Reference:  Type:

Client:  Site:

Engineer:  Status:

Date Added (From / To):

### Search Results

Results per page:  Results 1 - 10 of 863   1 2 3 4 5 ... 87

Reference	Client / Site	Type	Engineer	Start Date	End Date	Status	Actions
<a href="#">T_19189</a>	OGG VERITAS	Electrical	Rich Wallace	13/04/2015	13/04/2015	Tentative	<input type="button" value="Print"/> <input type="button" value="Export"/> <input type="button" value="Refresh"/> <input type="button" value="Delete"/>
T1_ELECT_OGG_RED_001	REDHILL						
<a href="#">T_19189 ADMRAL</a>	NOTTING HILL HOUSING ASSOCIATION	Building	Rich Wallace	08/04/2015	08/04/2015	Closed	<input type="button" value="Print"/> <input type="button" value="Export"/> <input type="button" value="Refresh"/> <input type="button" value="Delete"/>
T1_BUILD_NOT_ADM_002	ADMIRAL HOUSE						
<a href="#">T_19189</a>	NOTTING HILL HOUSING ASSOCIATION	Building	Rich Wallace	10/04/2015	10/04/2015	Closed	<input type="button" value="Print"/> <input type="button" value="Export"/> <input type="button" value="Refresh"/> <input type="button" value="Delete"/>
T1_BUILD_NOT_FL_001	ARMADA HOUSE						
<a href="#">T_19189</a>	NOTTING HILL HOUSING ASSOCIATION	Building	Rich Wallace	10/04/2015	10/04/2015	Closed	<input type="button" value="Print"/> <input type="button" value="Export"/> <input type="button" value="Refresh"/> <input type="button" value="Delete"/>
T1_BUILD_NOT_FL_001	FLAT 1167 ARMADA HOUSE						
<a href="#">T_19189</a>	NOTTING HILL HOUSING ASSOCIATION	Building	Rich Wallace	10/04/2015	10/04/2015	Closed	<input type="button" value="Print"/> <input type="button" value="Export"/> <input type="button" value="Refresh"/> <input type="button" value="Delete"/>
T1_BUILD_NOT_FL_001	FLAT 1167 ARMADA HOUSE						
<a href="#">T_19189</a>	NOTTING HILL HOUSING ASSOCIATION	Building	Rich Wallace	08/04/2015	08/04/2015	Closed	<input type="button" value="Print"/> <input type="button" value="Export"/> <input type="button" value="Refresh"/> <input type="button" value="Delete"/>
T1_BUILD_NOT_FL_001	FLAT 1167 ARMADA HOUSE						
<a href="#">T_19189</a>	NOTTING HILL HOUSING ASSOCIATION	Building	Rich Wallace	08/04/2015	08/04/2015	Closed	<input type="button" value="Print"/> <input type="button" value="Export"/> <input type="button" value="Refresh"/> <input type="button" value="Delete"/>
T1_BUILD_NOT_FL_001	FLAT 1167 ARMADA HOUSE						





**Problems** **PROBLEMS RATED BY SENIORITY**

Client:  Site:   
 Reference:  Added By:   
 Date Added (From / To):

Fault Ratings	Minor	Important	Serious	Critical
100% Load corrected temp - 75°C	0-7	8-15	16-32	33+

**Search Results** Results 1 - 10 of 55 [1234567](#)

Reference	Client Site	Location / Item	Priority	Type	Workings	Status	Actions
IT ELEC	TILTD	2ND FLOOR INFRARED TRAINING ELEC	-	Thermal	CRITICAL	Open	
IT ELEC	TILTD	1ST FLOOR INFRARED TRAINING ELEC	-	Thermal	SERIOUS	Open	
IT ELEC	TILTD	GROUND FLOOR INFRARED TRAINING ELEC	-	Thermal	SERIOUS	Open	
IT ELEC	TILTD	GROUND FLOOR INFRARED TRAINING ELEC	-	Thermal	MINOR	Open	
IT ELEC	TILTD	1ST FLOOR INFRARED TRAINING ELEC	-	Thermal	CRITICAL	Open	
TI SYNC TEST	TILTD	DE2	-	Thermal	SERIOUS	Open	
TI SYNC TEST	TILTD	RISER 2	-	Thermal	SERIOUS	Open	
TI SYNC TEST	TILTD	ESSENTIAL DB	-	Thermal	SERIOUS	Open	
TI ORVI TEST	TILTD	2ND FLOOR DB5	-	Thermal	CRITICAL	Closed	
TI ORVI TEST	TILTD	PLANTROOM PANEL BOARD	-	Thermal	SERIOUS	Open	
TI ORVI TEST	TILTD	PLANTROOM CONTROL PANEL NO 2	-	Thermal	CRITICAL	Open	
TI SYNC TEST	TILTD	2ND FLOOR	-	Thermal	NO ISSUE	Closed	



# WEBCOR

Dashboard Reports Trending Data Reports

**WEBCOR**  
THE WAY TO SUCCESS

### Trending Data

Client: TILTD Site: Select...

Inspection Reference: Item Name:

Inspection Type: Select... Date Added (From / To): 01/01/2022 01/01/2022

Reset Search

### Search Results

Results per page: 10 Results 1 - 10 of 240 1 2 3 4 5 ... 25

Reference	Client Site	Location Item	Actions
MOTORS DEVO	TILTD	BASEMENT	
	MECHANICAL DEVO	PUMP MOTOR 3	
MOTORS DEVO	TILTD	BASEMENT	
	MECHANICAL DEVO	PUMP MOTOR 4	
MOTORS DEVO	TILTD	BASEMENT	
	MECHANICAL DEVO	PUMP MOTOR 3	
MOTORS DEVO	TILTD, TM	BASEMENT	
	MECHANICAL DEVO	PUMP MOTOR 2	
		BASEMENT	
	MECHANICAL DEVO	PUMP MOTOR 1	
MOTORS DEVO	TILTD	BASEMENT	
	MECHANICAL DEVO	PUMP MOTOR 1	
MECHANICAL	TILTD	BASEMENT	
DEMO	MECHANICAL DEVO	PUMP MOTOR 1	
TL_18153-2	TILTD	MAIN INCOME ROOM	
	TRIDENT COURT	DEVI	
TL_18153-2	TILTD	MAIN INCOME ROOM	

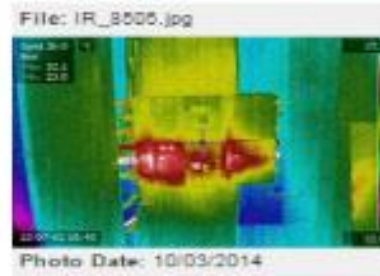
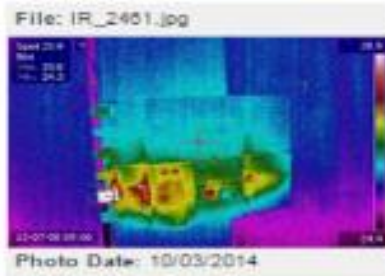


# Trending Data

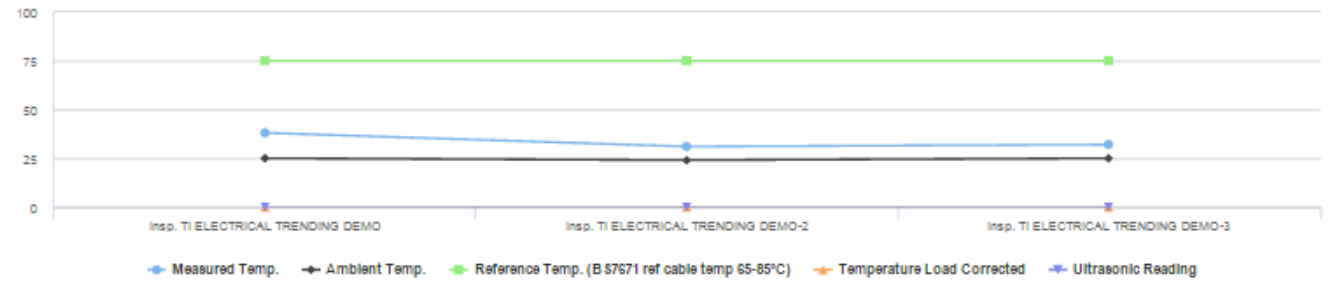
Current Inspection No	TI ELECTRICAL TRENDDING DEMO-2
Report Date	12 <sup>th</sup> Apr 2015
Item No	1
Item ID	DBGA
Status	T
PM Work Order	NOT ISSUED
Operation Priority	ESSENTIAL TO OPERATION



## SWITCHROOM > MAIN LV - DBGA



### Trend Data Graph



### Inspection History

Inspection Reference	Date Inspected	Measured Temp.	Ambient Temp.	Reference Temp. (BS7671 ref cable temp 65-85°C)	Temperature Load Corrected	Ultrasonic Reading
TI ELECTRICAL TRENDDING DEMO-3	10 <sup>th</sup> Mar 2014	32 °C (+1)	25 °C	75 °C	°C	DBUV
TI ELECTRICAL TRENDDING DEMO-2	10 <sup>th</sup> Mar 2014	31 °C (-7)	24 °C	75 °C	°C	DBUV
TI ELECTRICAL TRENDDING DEMO	8 <sup>th</sup> Mar 2014	38 °C (0)	25 °C	75 °C	°C	DBUV



Dashboard | Inspections | Reports | Trending Data | Reports

Rachael Browning | Logout

**WEBCOR**  
THERMAL IMAGING

Reports | Party Reports | Cover Pages | Custom Fields | BP Partial Discharge

Client: TILTD | Site: Select


Reference: | Added By: Select

Date Added (From / To): dd/mm/yyyy | dd/mm/yyyy | Reset | Search

**Search Results**

Results per page: 10 | Results 1 - 10 of 28 | 1 2 3 >>

Reference	Client	Site	Added By	Date Added	Actions
MOTOR3 DEMO	TILTD	MECHANICAL DEMO	Stephan Lewis	10/04/2015	[Icons]
TEST	TILTD	MEASURE TEST	Rich Wallace	12/03/2015	[Icons]
TL_19152-2	TILTD	TRIDENT COURT	Rich Wallace	09/03/2015	[Icons]
TL_19152	TILTD	TRIDENT COURT	Stephan Lewis	09/03/2015	[Icons]
DRONE TEST	TILTD	DRONE TEST	Andrew O'py	08/02/2015	[Icons]
TI SYNC TEST	TILTD	TI SYNC TEST	Rich Wallace	13/11/2014	[Icons]
TI SYNC TEST	TILTD	TI SYNC TEST	James Humphries	05/11/2014	[Icons]
TIOR V1 TEST	TILTD	TI SITE 3	Rich Wallace	29/09/2014	[Icons]
TESTING	TILTD		Joe Walker	22/09/2014	[Icons]




## Thermal Imaging Report

Inspection Ref. TI ELECTRICAL TRENDING DEMO (ELECTRICAL)  
TI LTD / TI ELEC TREND DEMO

10<sup>th</sup> Nov 2011

Client	TI LTD
Site	TI ELEC TREND DEMO Trident Court 1 Oakcroft Road Chessington Surrey KT9 1BD
Contacts	Richard Wallace richard@thermalimaging.co.uk 0203 0442940

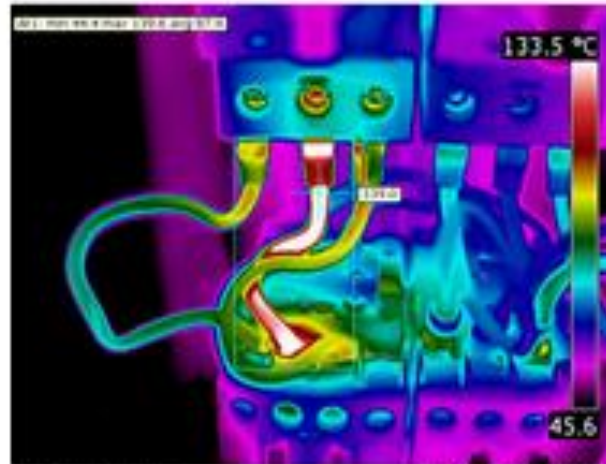
Inspection Data	
Reason for Survey	ELECTRICAL INFRASTRUCTURE HAS INTEGRITY ISSUES AND REQUIRE INSPECTION
Purpose of Survey	RISK MANAGEMENT INSPECTION OF ELECTRICAL INFRASTRUCTURE IN COMPONENT TEMPERATURES AND TO OFFER ROOT CAUSE AND REME
Inspection Commencing	N/A
Applicable Formulas	YES - LOAD CORRECTION
Camera	FLIR THERMACAM P640
Camera Calibration	FACTORY CALIBRATION
Thermographer Cert and ID	JAMES HUMPHRIES - LEVEL 2 THERMOGRAPHY - C2193
Software	TICOR™ ANDROID DATA CAPTURE AND REPORTING APPLICATION LINK - ELECTRICAL MODULE
Ambient Temp (C)	N/A
Humidity (%)	N/A

Summary	
Problems found during this inspection	N/A
Remedial Recommendations for problems found during this inspection	N/A

# WEBCOR™

Work Order #	Update in here
Corrective Work Order #	Update in here
PLEASE ADD CORRECTIVE WORK ORDER ABOVE	
Location/Equipment Information	
Location	BOILER ROOM
Component	BOILER ROOM CP
PM Work Order	NOT ISSUED
Item ID	BOILER ROOM CP
Operation Priority	ESSENTIAL TO OPERATION
Problem	CEHFD-L2

Type	100A
Manufacturer	MERLIN GERIN
Anomaly	INDICATED HIGHER TEMPERATURE THAN EXPECTED
Root Cause	SUSPECTED LOOSE, DETERIORATED OR INADEQUATE CONNECTION
Remedial	CHECK, CLEAN & RE-MAKE CONNECTION TO PRESCRIBED STANDARD



File: IR\_26185A.jpg Photo Date: 06/03/2014



Photo Date: 06/03/2014

### Repair Information

Loss to Production  
 Yes  No  Unknown

Consequences of Failure

Test:

Parts Req. Before Failure

Jul 2014

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
8	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Repaired By

Root Cause

