

Taiwan National Occupational Safety & Health Award

December 27, 2015 - Presentation Ceremony

Edwin Feeny - TI Taiwan Site Services Director

Outline

Introduction

- Acknowledgements
- Texas Instruments Overview
- Texas Instruments Safety Journey
- Texas Instruments Taiwan Safety Programs
- Summary

WEST?

**When was the
earliest recorded
Safety Program in
World History?**

EAST?

Dynasty Emperors?

Middle East Kings?

Industrial Era?

Hebrew Laws (from God):

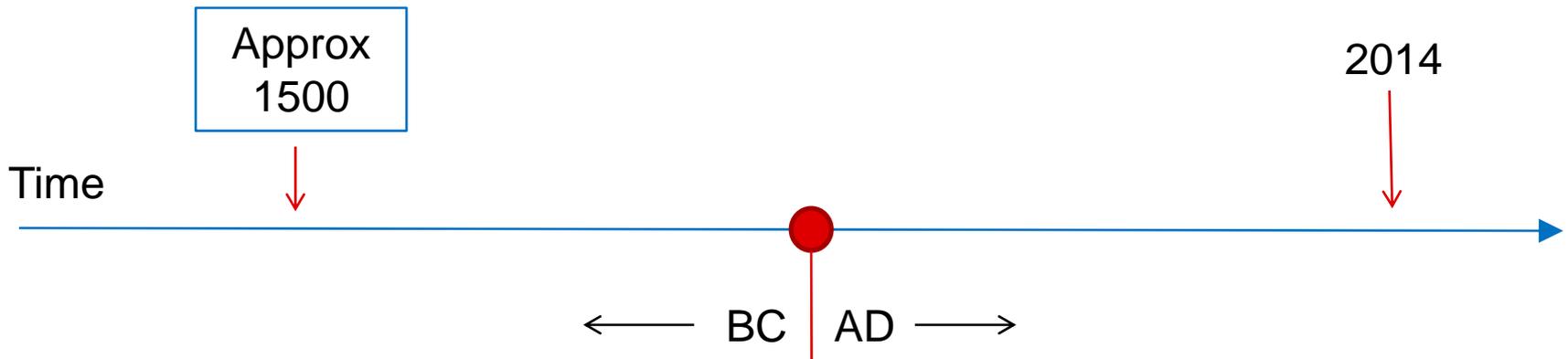
8 When you build a new house, then you shall make a battlement for thy roof, that thou bring not blood upon thine house, if any man shall fall from thence. (Deuteronomy 22)

8 如今我將這地擺在你們面前、你們要進去得這地、就是耶和華向你們列祖亞伯拉罕、以撒、雅各所應許之地。

- ❑ Leadership
- ❑ Awareness
- ❑ Responsibility

29 But if the ox has pushed with his horn and has killed a man or a woman; the ox shall be stoned, and his owner also shall be put to death. 30 If there be laid on him a sum of silver or gold for the ransom of his life, he shall give for the ransom of his life as much as was laid upon him. (Exodus 23)

你面前攆出去、恐嚇害你。 攆出去、等到你的



**A strong SAFETY Culture is NOT
our idea.....**

**...but we agree with the Taiwan
Government that it is a necessity.**

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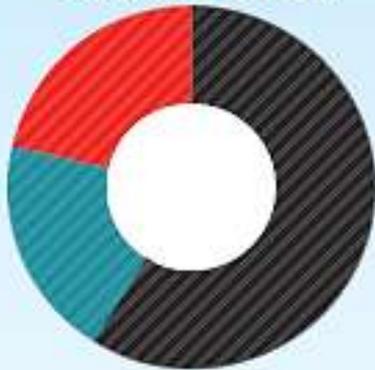
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TI Worldwide – About TI

Revenue in 2013:

Total: **\$12.2 billion**



(in billions of dollars)



Capital expenditures: \$412 million

R&D: \$1.5 billion

Fortune 500 ranking: No. 227*

About TI:

TI is a global semiconductor design and manufacturing company

- Operating in **35 countries**
- Serving more than **100,000 customers** worldwide
- Innovating for nearly **85 years**
- More than **100,000 analog ICs and embedded processors**, along with software and tools
- Industry's **largest sales and support staff**

Learn more at www.ti.com

Employee information:

Approximately **31,000** worldwide



TI Worldwide – Key Events

Fortune 500 ranking: No. 227*

Did you know?



TI's Jack Kilby invented the integrated circuit in 1958.



TI has more than 41,000 patents and issued another 1,000 worldwide in 2013.



TI has won two Emmy® Awards for DLP® technology.



TI is the first semiconductor company to earn certification from the U.S. Green Building Council.



TI has donated more than \$150 million in the past five years (2008-2012) to help improve science and math education in the U.S. and access to education globally.



TI's Kilby Labs have employed more than 150 researchers over the past five years to develop groundbreaking innovations for the future.

*2014 ranking based on 2013 revenue.

The platform bar is a trademark of Texas Instruments. © 2014 Texas Instruments Incorporated.

October 2014



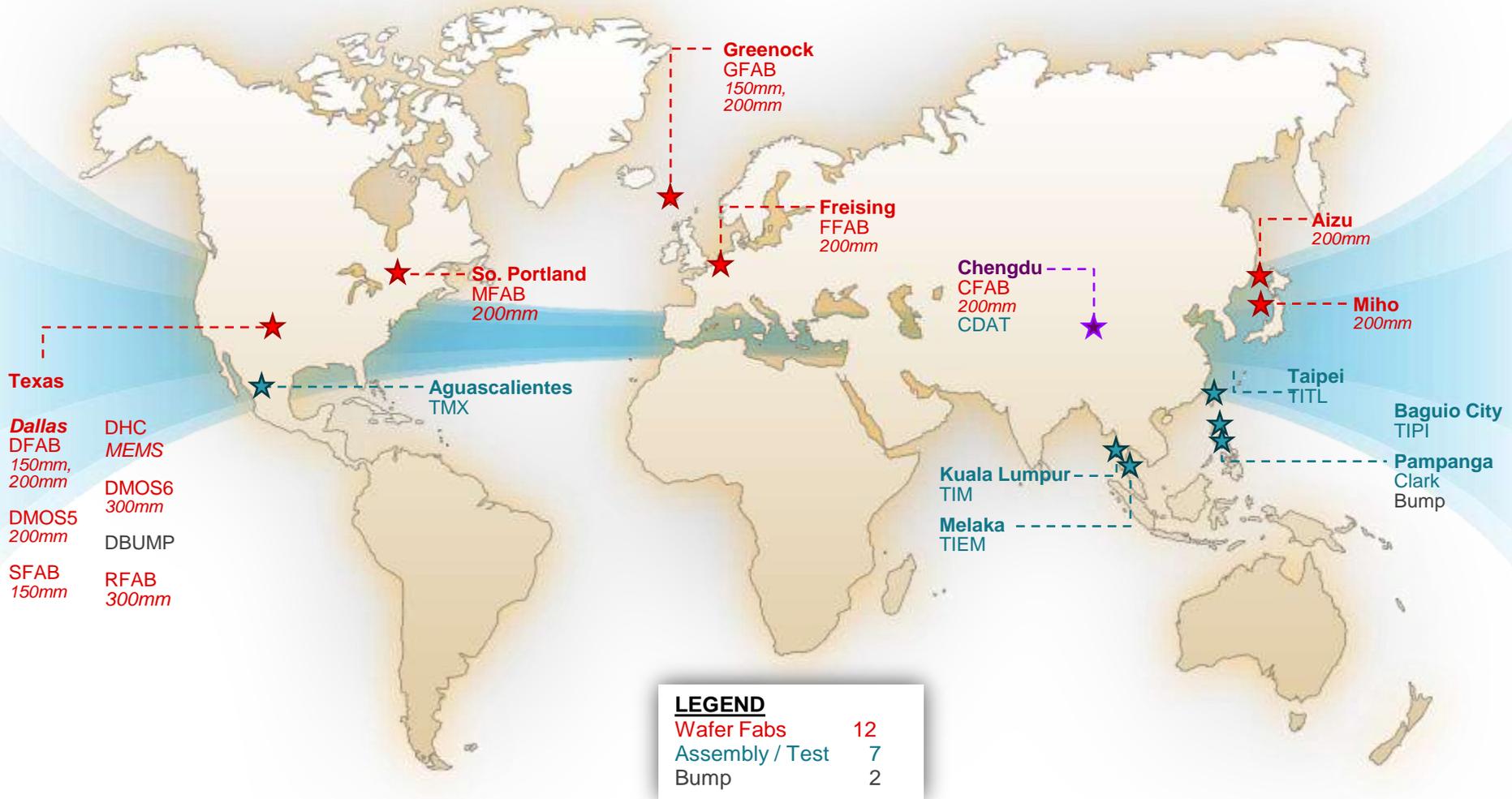
Awards:

- Fortune's **World's Most Admired Companies** - (2nd in industry) - 2014 for the 11th consecutive year
- Working Mother's "**100 Best Companies for Working Mothers**" - 2013 for the 18th consecutive year
- Minority Engineer, "**Top 50 Employers**," - 2014 for the 3rd consecutive year
- CR Magazine's **100 Best Corporate Citizens** - 2014 for the 12th year
- Ethisphere Magazine's **World's Most Ethical Companies** - 2014 for the 8th consecutive year
- Dow Jones Sustainability Indices, "**North America Component**," - 2014 (8th year)
- Thomson Reuters, **Top 100 Global Innovators** - 2013 for the 2nd consecutive year
- Glassdoor's Employee Choice Awards, "**50 Best Places to Work**" - 2014

Corporate Information:

- The company's headquarters is located at 12500 TI Boulevard, Dallas, Texas 75243.
- Rich Templeton serves as TI's chairman, president and chief executive officer.
- The company is publicly traded (NASDAQ: TXN).

Worldwide Manufacturing sites



Texas

- Dallas**
DFAB
150mm,
200mm
- DHC**
MEMS
- DMOS5**
200mm
- SFAB**
150mm
- DMOS6**
300mm
- DBUMP**
- RFAB**
300mm

Greenock
GFAB
150mm,
200mm

Freising
FFAB
200mm

So. Portland
MFAB
200mm

Chengdu
CFAB
200mm
CDAT

Aizu
200mm

Miho
200mm

Aguascalientes
TMX

Taipei
TITL

Baguio City
TIPI

Pampanga
Clark
Bump

Kuala Lumpur
TIM

Melaka
TIEM

About TI Taiwan



TI in Taiwan

Sales & Marketing



1077 Rental Linked Sales Office



- 2009, Taichung Sales Office
- GSF : 2,714
- NSF : 1,435



- 2008, Kaohsiung Sales Office
- GSF : 2,285
- NSF : 1,780



Site I (Assy/Test)

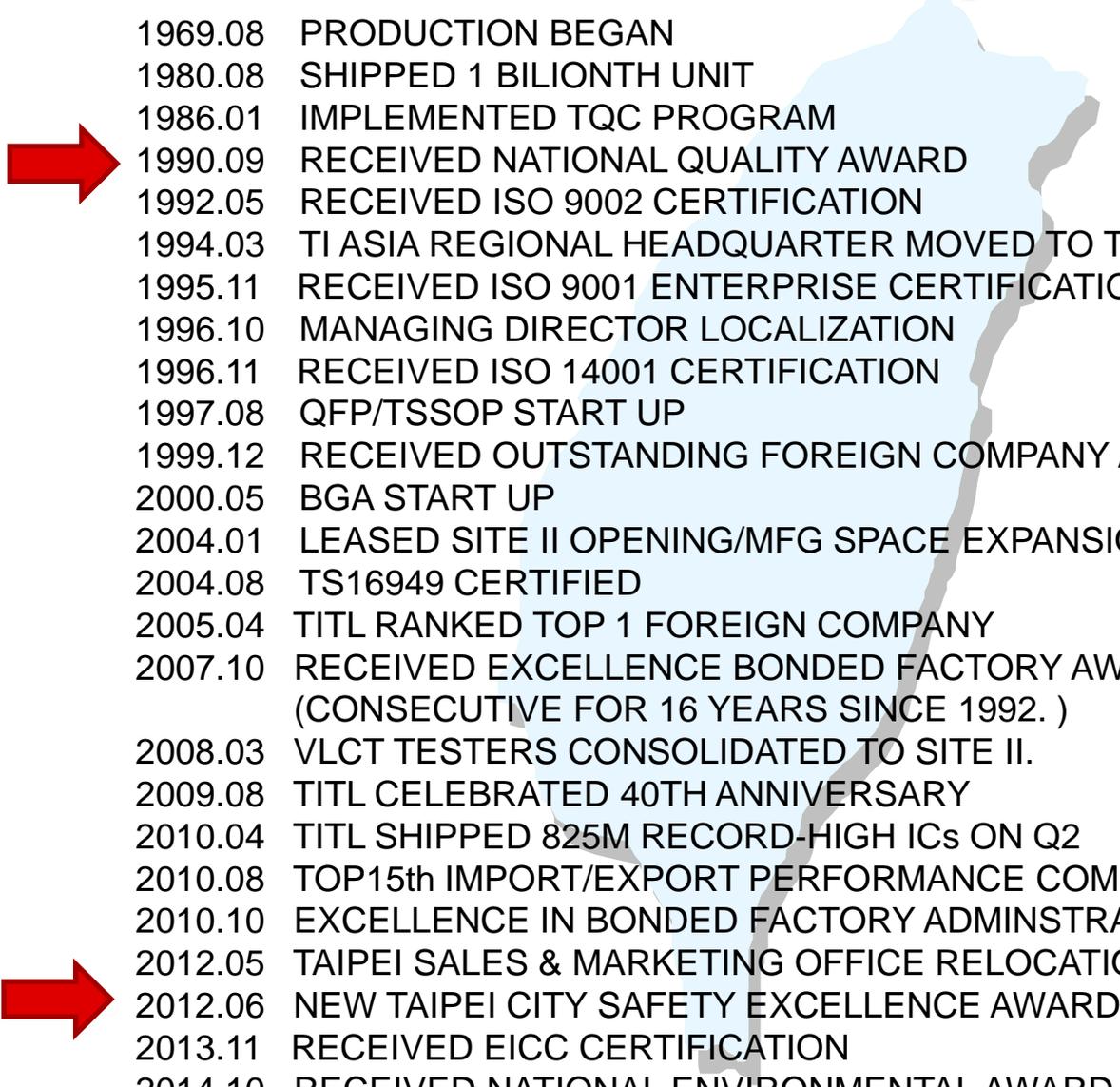


- Built in 1969
- ISO 9001 Quality Award Recipient
- 14001/ TS16949 Certified
- 1073
- 1056

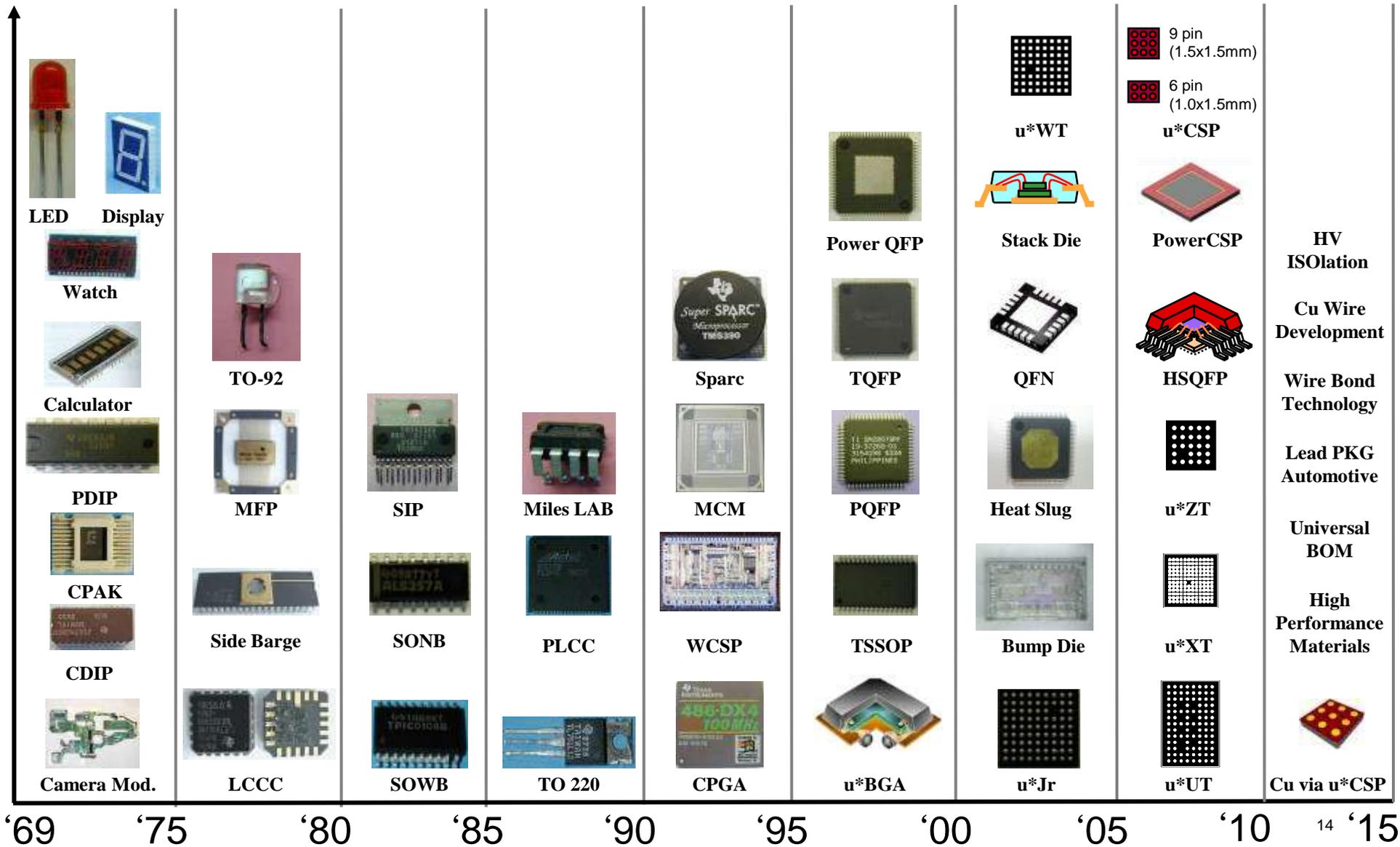
- Four floors
- Started in Jan/Jul 2004, Sep 2005/06, Aug 2007, Jan 2008
- GSF : 166,099
- NSF : 110,485



TI Taiwan Key Events

- 
- 1969.08 PRODUCTION BEGAN
 - 1980.08 SHIPPED 1 BILIONTH UNIT
 - 1986.01 IMPLEMENTED TQC PROGRAM
 - 1990.09 RECEIVED NATIONAL QUALITY AWARD
 - 1992.05 RECEIVED ISO 9002 CERTIFICATION
 - 1994.03 TI ASIA REGIONAL HEADQUARTER MOVED TO TAIPEI
 - 1995.11 RECEIVED ISO 9001 ENTERPRISE CERTIFICATION
 - 1996.10 MANAGING DIRECTOR LOCALIZATION
 - 1996.11 RECEIVED ISO 14001 CERTIFICATION
 - 1997.08 QFP/TSSOP START UP
 - 1999.12 RECEIVED OUTSTANDING FOREIGN COMPANY AWARD
 - 2000.05 BGA START UP
 - 2004.01 LEASED SITE II OPENING/MFG SPACE EXPANSION
 - 2004.08 TS16949 CERTIFIED
 - 2005.04 TITL RANKED TOP 1 FOREIGN COMPANY
 - 2007.10 RECEIVED EXCELLENCE BONDED FACTORY AWARD
(CONSECUTIVE FOR 16 YEARS SINCE 1992.)
 - 2008.03 VLCT TESTERS CONSOLIDATED TO SITE II.
 - 2009.08 TITL CELEBRATED 40TH ANNIVERSARY
 - 2010.04 TITL SHIPPED 825M RECORD-HIGH ICs ON Q2
 - 2010.08 TOP15th IMPORT/EXPORT PERFORMANCE COMPANY IN TAIWAN
 - 2010.10 EXCELLENCE IN BONDED FACTORY ADMINISTRATION
 - 2012.05 TAIPEI SALES & MARKETING OFFICE RELOCATION
 - 2012.06 NEW TAIPEI CITY SAFETY EXCELLENCE AWARD
 - 2013.11 RECEIVED EICC CERTIFICATION
 - 2014.10 RECEIVED NATIONAL ENVIRONMENTAL AWARD

TITL Assembly Packaging Roadmap

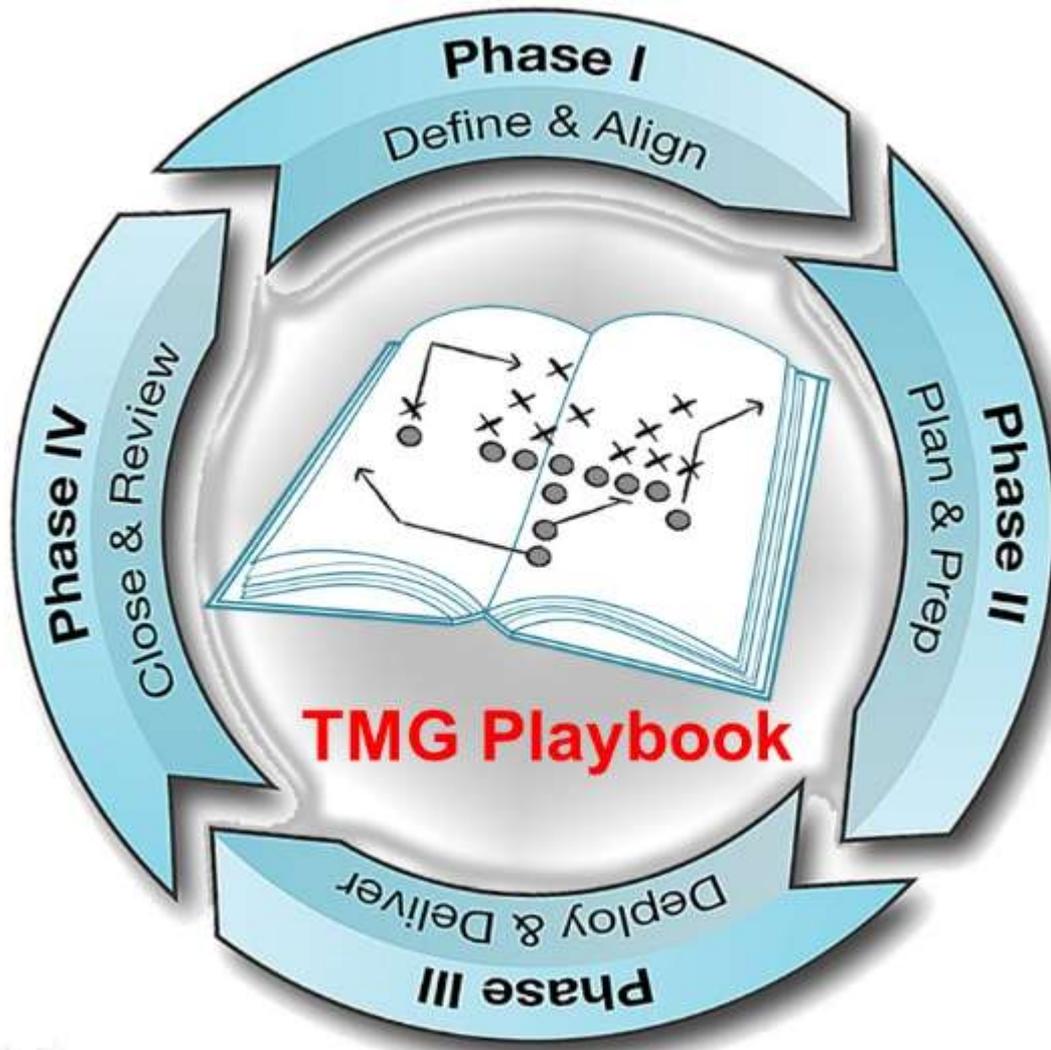


Our Factory Foundation

工作場所該有的都有，所有的東西都就定位！
A Place for Everything ,and Everything in It's Place



Our Factory Foundation



- 第壹式 • 了解現況 尋找機會
- 第貳式 • 符合期待 訂定目標
- 第參式 • 適材適用 推舉賢士
- 第肆式 • 策略展開 擬訂計劃
- 第伍式 • 凝聚士氣 誓師大會
- 第陸式 • 追蹤進度 執行計劃
- 第柒式 • 精益求精 定期評估
- 第捌式 • 分享祕技 完成計劃
- 第玖式 • 優沃獎勵 歡欣鼓舞
- 第十式 • 如法泡製 追蹤成效

TI Taiwan



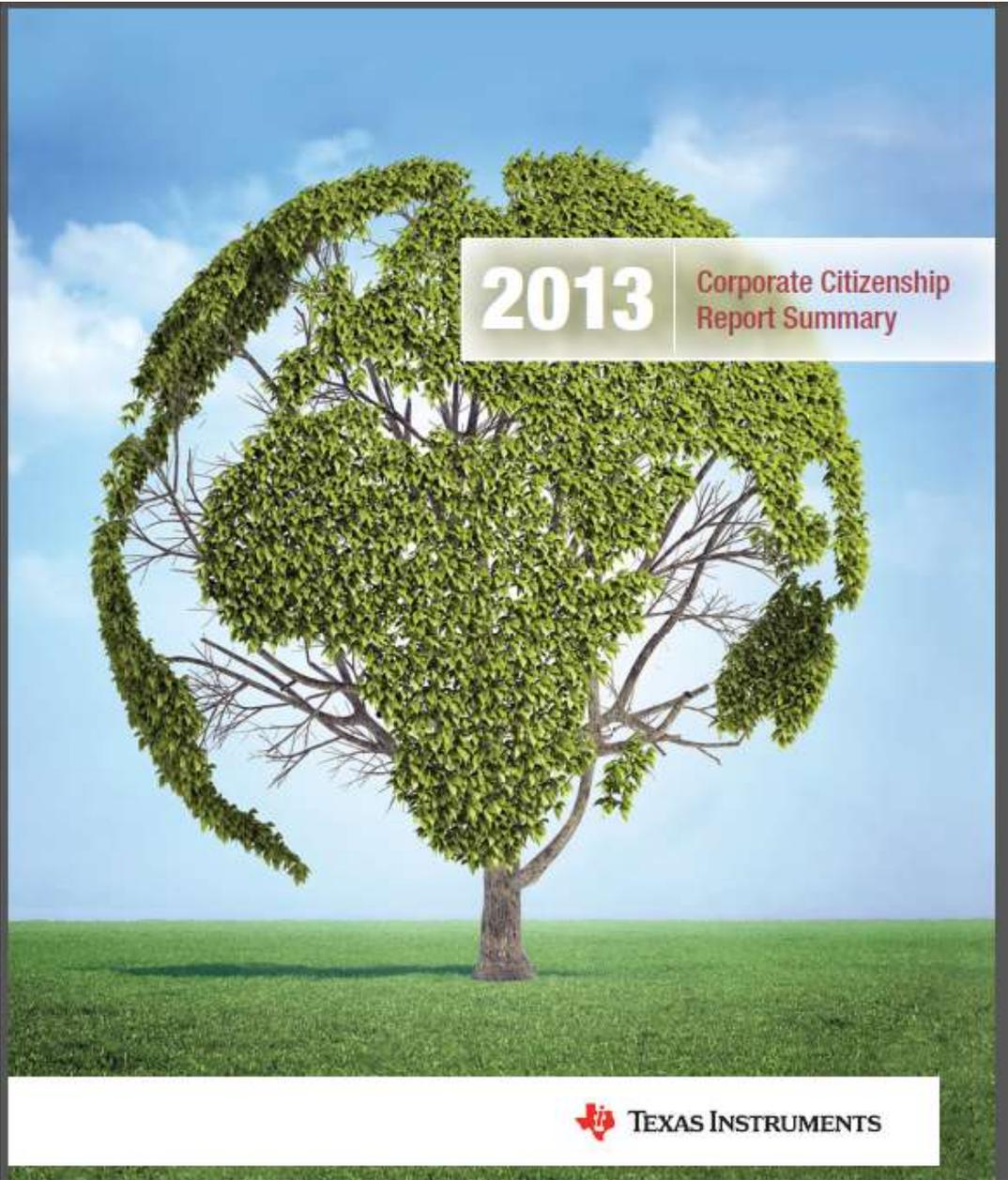
1969: TI leases space for a temporary plant.



TITL Today

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2013

**Corporate Citizenship
Report Summary**

 **TEXAS INSTRUMENTS**

Safety

TI workplace safety and health are vital to employees' well-being and productivity.

We believe all accidents are preventable, and remain committed to achieving our long-term goal of zero work-related injuries and illnesses.



Employee well-being

We believe that a collaborative and inclusive work environment, complemented by targeted training and development, inspires innovation.

2013 performance

Safety

We invest significantly in programs, policies and tools that keep our employees and workplace safe.

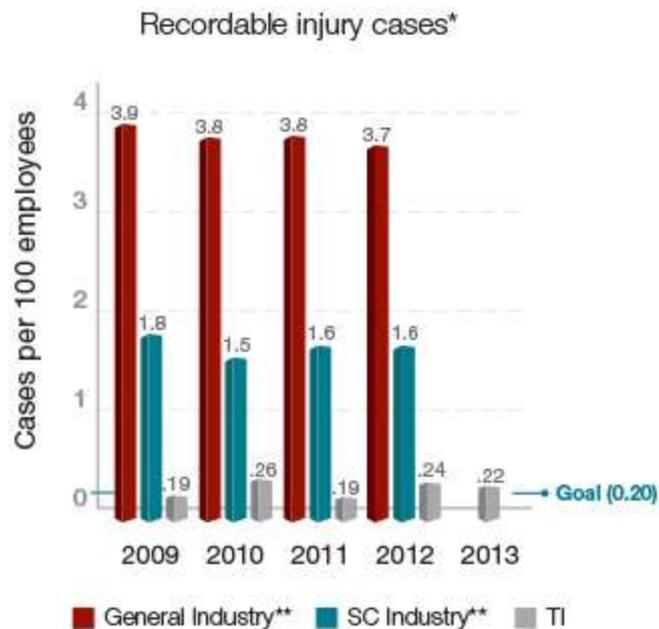
- Ended the year with a days away, restricted or job transfer (DART) case rate of 0.08 and a recordable rate of 0.22. Compared to other members of the Semiconductor Industry Association, TI continues to be one of the safest companies in the industry.
- Reduced recordable ergonomics-related injuries by 19 percent and DART ergonomics-related injuries by 52 percent.
- Reviewed all safety incidents weekly; conducted appropriate and prompt root-cause analysis, standardized how cases are recorded and closed, and notified sites to take appropriate corrective actions.
- Trained 100 percent of supervisors on environment, safety and health leadership.

Health

Our comprehensive health and wellness programs are designed to protect employees at work and help address their specific health needs.

- Recognized as the platinum winner of the Best Employers for Healthy Lifestyles Award by the National Business Group on Health for our U.S. health and well-being investments.
- Continued to provide health screenings and access to health and wellness resources to U.S. employees. Two-thirds of those employees who participated in our 2012 health screenings and had three or more personal health risks reduced those risks to two or less in 2013.
- Partnered with Weight Watchers to bring employees weight-management support at a significant discount. About 200 participants lost 2,650 pounds.
- Offered free on-site biometric screenings to employees, including blood pressure, body mass index, waist measurement, triglycerides, cholesterol and glucose levels measurements to help them identify emerging health concerns.
- Provided health briefings to employees in China on precautions they could take to avoid a new avian influenza A (H7N9) virus. We also administered free flu vaccinations to more than 5,700 employees.

RECORDABLE CASES – TI World Wide



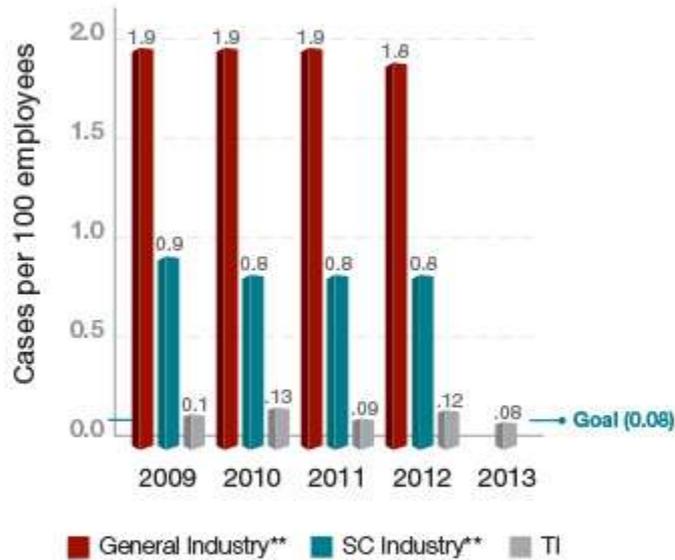
Recordable cases (per 100 employees)	2009	2010	2011	2012	2013
General Industry	3.9	3.8	3.8	3.7	
SC Industry	1.8	1.5	1.6	1.6	
TI	0.19	0.26	0.19	0.24	0.22

*Work-related injury (rate per 100 employee-years) that requires treatment beyond first aid or results in lost time or restricted job duties for one or more workers as defined by the U.S. Occupational Safety and Health Administration.

**Industry data was provided by the U.S. Occupational Health and Safety Administration and the Bureau of Labor Statistics. Statistics represent U.S. performance only. Semiconductor (SC) and general industry data for 2013 were not available at the time of report development.

Days Away CASES – TI World Wide

Days away, restricted, or transferred cases*

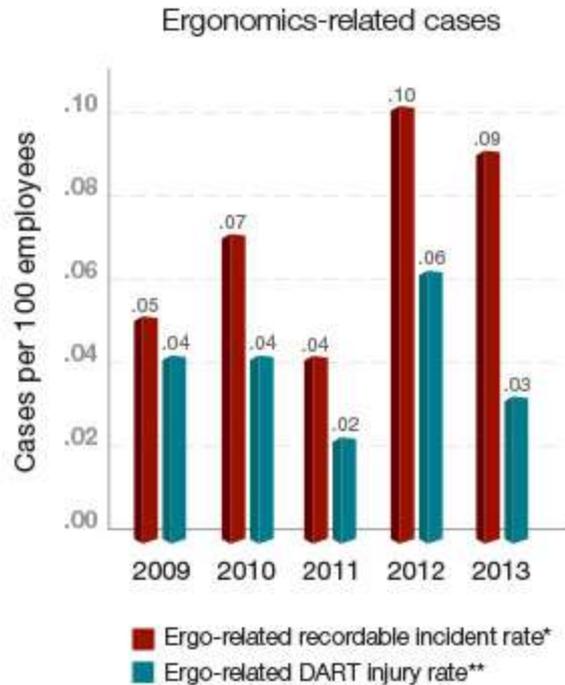


DART cases (per 100 employees)	2009	2010	2011	2012	2013
General Industry	1.9	1.9	1.9	1.8	
SC Industry	0.9	0.8	0.8	0.8	
TI	0.1	0.13	0.09	0.12	0.08

*Work-related injury (rate per 100 employee-years) that results in days away from work, restricted work activity and/or job transfer.

**Industry data was provided by the U.S. Occupational Health and Safety Administration and the Bureau of Labor Statistics. Statistics represent U.S. performance only. Semiconductor (SC) and general industry data for 2013 were not available at the time of report development.

Ergonomic CASES – TI World Wide



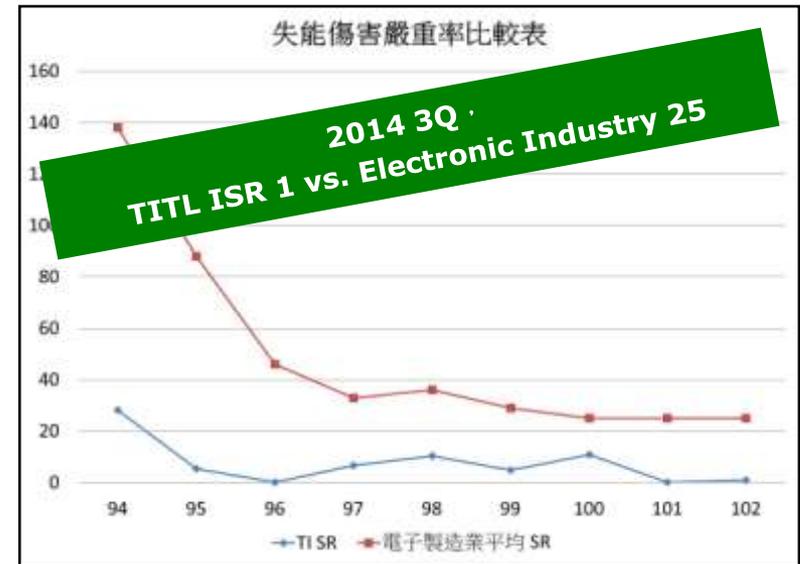
Ergo cases (per 100 employees)	2009	2010	2011	2012	2013
Ergo-related recordable incident rate	0.05	0.07	0.04	0.10	0.09
Ergo-related DART injury rate	0.04	0.04	0.02	0.06	0.03

*Ergonomics-related injury that requires treatment beyond first aid or results in lost time or restricted job duties.

**Ergonomics-related injury that results in days away from work, restricted work activity and/or job transfer.

Safety Index – TI Taiwan

被動式績效指標	2014 Goal	1Q	2Q	3Q
失能天數損失率 (DART)	< 0.08	0	0	0.07
可記錄工傷率 (Recordable)	< 0.2	0	0	0.07
紅藥水事件 (First Aid)		1	0	1
25% 降低不安全環境所引起之工傷	<4	1	0	2
虛驚事故通報 (near miss)		16	31	28



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Internal Standards 內部規範

Management System 管理系統

1. ESH Policy Procedure
2. ESH Aspect and Risk Identification
3. Legal and regulation requirement management
4. ESH Objective and Target management
5. Structure and responsibility
6. ESH awareness training management
7. Communication and documentation management
8. Emergency response management
9. Monitoring and measurement management
10. Non-conformity and CAPA management
11. Record management
12. Internal audit management
13. ESH management review
14. ESH Reward program
15. Occupational health promotion

Safety/IH 安全衛生

- | | |
|--|--|
| 1. Personal Protective Equipment | 18. Respiratory Protection |
| 2. ESH Incident Notification and Reporting | 19. Hearing Conservation |
| 3. Electrical Safety | 20. Hazardous Chemicals and Materials |
| 4. Electrical Safety for Design or Test Workspaces | 21. Chemical and Material Screening |
| 5. Egress and Evacuations | 22. Hazard Communication and Chemical Labeling |
| 6. Mechanical Guarding | 23. Chemical Exposure Assessment |
| 7. Crane and Hoist | 24. Chemical Storage and Spill Control |
| 8. Lock Out Tag Out | 25. Exhaust of Chemicals and Particulates |
| 9. Movement of Equipment and Parts | 26. Arsenic Safety |
| 10. Equipment Installation | 27. Lead Solder Safety |
| 11. Working Alone | 28. Gas Systems |
| 12. Confined Space Entry | 29. Emergency Eyewash Safety Shower Equipment |
| 13. Excavations | 30. AED |
| 14. Working From Heights | 31. Ergonomics Program Management |
| 15. Laser Safety Standard | 32. Asbestos |
| 16. Food Safety | 33. Liquid Heating Systems |
| 17. Tool & Equipment Fire Protection | |

風險管理之實施運作 (Aspect & Risk Mgmt.)

• Members



In year 2014, total 16 high risks and 26 actions to follow up.

• Methodology

Activity	Group	Task	Hazard	Risk		Details	Significance Criteria						
Activity, Product, or Service. High-level processes organized according to business practices. (活動、產品、服務)	Describes an area, module or system associated with an activity. (區域、單元、系統)	The specific activity that is being performed (工作、行為、動作)	A source or situation with a potential for harm in terms of injury or ill health, damage to property, damage to the workplace environment (危害因子)	The risk that may be created if an incident occurs as a result of exposure to the hazard. (危害因子所造成的風險)	N=Normal (正常作業) M=Maintenance, startup, shutdown (維修保養) U=Upset, Emergency (緊急狀況)	Description of the specific hazard, risk or other details associated with the task. (詳細說明)	Severity (嚴重度)	Frequency (執行頻率)	Control (控制方法)	Potential Safety/Health Risk (Severity, Frequency, Control) (風險程度)	Concerns to Employees and the Community (員工及社區顧慮)	Loss History/Experience (曾經受傷案例)	Total Risk Score (風險總分)

Type	Name	Leader	Modified	Modified By
Document	Risk_Assessment_Worksheet_TITL_2014 (Facilities)	Lee, Jerry	5/4/2014 3:07 PM	Lee, Jerry
Document	Risk_Assessment_Worksheet_TITL-2014 (Assy)	Cheng, Robin	6/24/2014 9:43 AM	Hsieh, Eliot
Document	Risk_Assessment_Worksheet_TITL-2014 (FA Lab)	Wu, C K	7/28/2014 11:21 AM	Wu, C K
Document	Risk_Assessment_Worksheet_TITL-2014 (Health Center)	Cheng, I	4/28/2014 6:01 PM	Hsieh, Eliot
Document	Risk_Assessment_Worksheet_TITL-2014 (Logistics)	Chen, Ming	6/3/2014 9:46 AM	Chen, Ming
Document	Risk_Assessment_Worksheet_TITL-2014 (Test)	Peng, T	5/5/2014 10:02 AM	Yang, J H

風險評估執行度- *Assembly Example*

ASSY
(Robin Cheng)

of Risks

6

Actions Completion

50%

<p>Risk: ESEC DA Original Design</p>	<p>Was</p> 	<p>Is</p> 	<p>Design with Grating</p> 
<p>Health Issue</p> <p>Trip/Fall</p> <p>Prevent trip/walk injury (Wire Bond)</p>	<p>Was</p> 	<p>Is</p> 	<p>4 new types of samples for trial</p> <p>12/31/2014</p> <p>On-going</p>

採購管理 (Procurement Mgmt.)

TITL ESH Work Station > Contractor Management Website

Contractor Management Website

Qualified vendor List

View All Site Content

Documents

- 德州儀器培訓組

Lists

- Qualified vendor List
- Contractors
- Violations

Rec

Advantest

廠商名稱	廠商種類	姓名	身份證字號
Advantest			

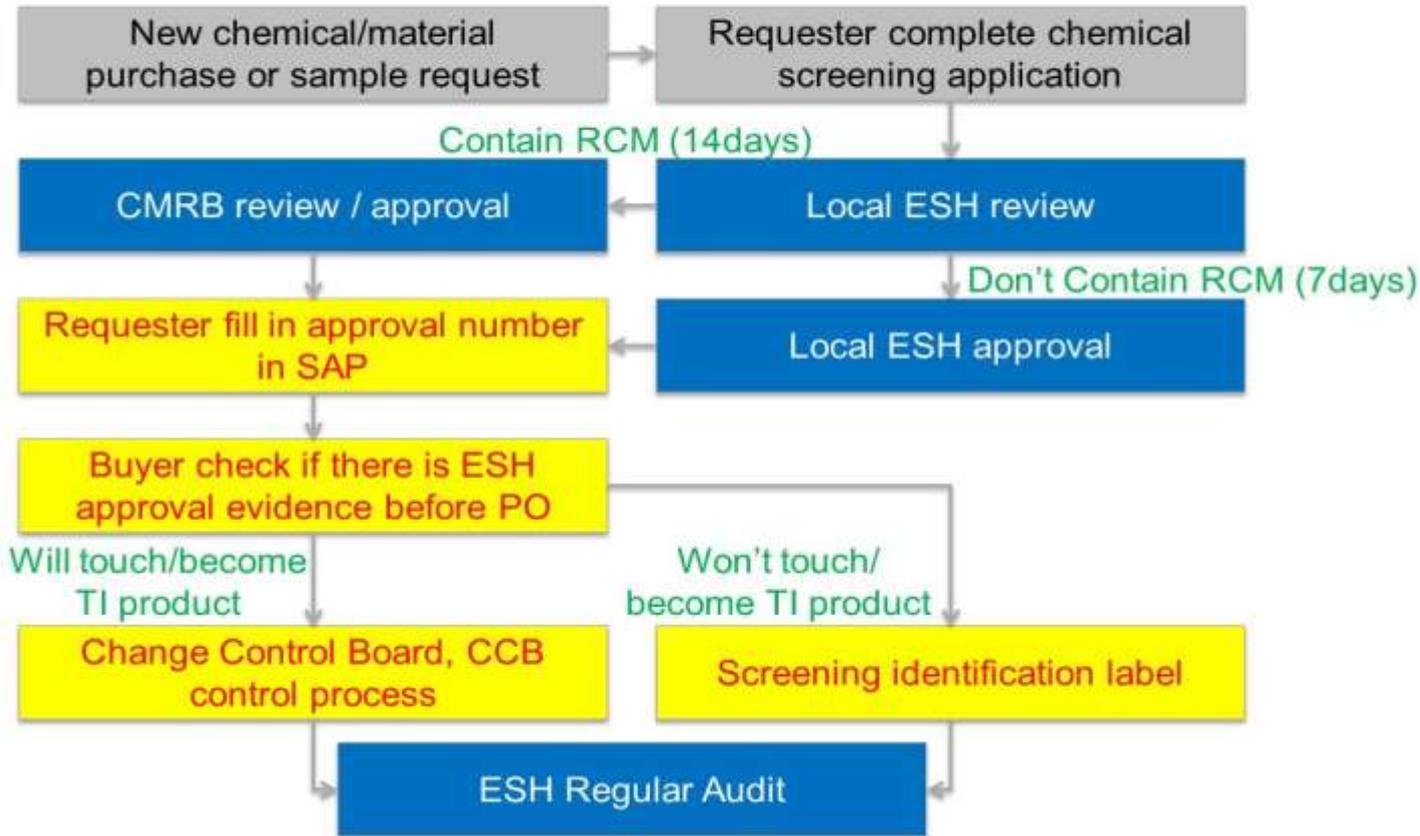
Const Vendors ~ 100 companies
Service Vendors ~ 30 companies

TITL Vendor/Supplier License Management 廠商證照管理

New	Actions	證照種類	證照名稱	證照編號	證照有效期	證照有效日期	證照狀態	TI Owner
廠商組別：01-電器組 (2)								
廠商名稱：A041 韋毅水電工程有限公司 (1)								
	公司證照	電器承裝業登記執照(甲級)	竹市甲承第AT100047-3號	有	9/5/2016	正常	Su, Donald	
廠商名稱：A051 詮挺 (1)								
	公司證照	電器承裝業登記執照(甲級)	新北電證甲字第AC100347-2號	有	3/29/2017	正常	Su, Donald	
廠商組別：02-水氣組 (2)								
廠商名稱：A041 韋毅水電工程有限公司 (1)								
	公司證照	自來水管承裝商營業許可證書	甲等經水證第683號	無		正常	Su, Donald	
廠商名稱：A051 詮挺 (1)								
	公司證照	自來水管承裝商營業許可證書	新北市水證甲字第000189-1號	有	3/27/2017	正常	Su, Donald	
廠商組別：05-消防組 (2)								

採購管理 (Procurement Mgmt.)

Chemicals & Materials Control



Total 719 chemical/material Screening



採購管理 (Procurement Mgmt.)

What Types of Machines Enter TI Sites?



IMPORTANT! Each type of acquisition has unique requirements and all New, Evaluation, and Used machines must be WWESH approved prior to WPL closing any agreement with the Seller

所有機台均須有SEMI S2/S8認證；103年至今共有86台。

承攬管理 (Contractor Mgmt.)

WWF > WW Construction, Global Support and Energy > AT Facilities > Taiwan - TITL

Monthly Review Case: 60

TITL Work Permit System 施工申請系統



• [過期工程](#)
• [結案工程](#)

【申請注意事項】

- 依需求，確認已完成變更管理(MOC)
- 確認已附上"工作危害分析表(JHA)"
- 確認"預計開會時間"

>>> [申請"新施工"](#)

>>> [申請/查詢"變更管理\(MOC\)"](#)

【開會注意事項】

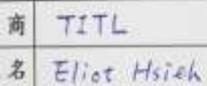
- 工程許可會議：每週一及週四早上10:30於SSVC會議室召開。
- 請TI工程負責人或廠商代表出席參加工程許可會議。

>>> 詳細說明請按：<[連結](#)>

Security Code	0220060732 (工廠計畫 Approved 狀態)
PO Number	4512760277-20
MOC Number	N/A
1. 工程名稱	六期機組組網水錶及打高壓台機具安裝
2. 工程負責人	Yen, C
3. TI 工程負責人職端	RSB
4. 廠商名稱	ADDI 技經
5. 廠商現場負責人A職端	廖003902478
6. 施工地點	Site 1-DR 3AF
7. 動火 (SW)	Yes 是 請申請特許作業許可
8. 高壓 (PH)	No 否
9. 吊掛 (CR)	No 否
10. 開路作業 (CR)	No 否
11. 油漆 (PW)	No 否
12. 搬移 (L)	No 否
13. 工程開始日期	8/5/2014
14. 工程結束日期	8/31/2014
15. 預計開會日期	8/4/2014
** 施工預定 **	計畫變更工作時間預定：(如有時間變更請洽安全工程師 - 分機0233)
** 緊急處理 **	如有緊急處理請向TI工程師打分機0911以尋求協助！
——(備註)——	——以下欄位為TI轉會審核時填寫，與開會申請——
待辦事項	
待辦事項進度	N/A
審核審核日期	
——(分機)——	
MOC Review	No
FCR Review	No
Chemical Review	Approved
Project Priority	Normal
Permit Status	Approved 狀態
——(備註)——	
Barcode	
	0220060732

TEXAS INSTRUMENTS 德州儀器工業股份有限公司

安全衛生訓練合格證明

廠商	TITL	照 一
姓名	Eliot Hsieh	
		片 一
CV000001		

德州儀器廠商安全衛生教育訓練複訓記錄

	8/0		
	>13		

【注意】安全衛生教育訓練需每年複訓一次

TEXAS INSTRUMENTS



Accumul qualified workers: 685

承攬管理- Contractor Performance Review

❖ 工程類廠商績效考評

$$\left(\frac{\text{檢查次數}}{\text{入廠次數}} \times \text{平均檢查分數} \right) - \text{額外稽核缺失} = \text{總分}$$

規則一：入廠工作時請記得主動通知安環部進行工作現場的檢查

規則二：檢查的重點包括

獲贈2000元禮券(第二名)
- 獎狀及2000元禮券(第三名)

備註：由其他部門或主管所發現的現場缺失即稱為額外稽核缺失，每一件缺失扣一分。

❖ 工程類廠商績效考評

$$\left(\frac{\text{檢查次數}}{\text{入廠次數}} \times \text{平均檢查分數} \right) - \text{額外稽核缺失} = \text{總分}$$

	入廠次數	檢查次數	(達成率%)	平均檢查分數	額外稽核缺失	總分
A	30	25	83%	85	0	71
B	20	13	65%	95	0	62
C	4	4	100%	80	-1	79
D	10	8	80%	90	0	72

In 2014 3Q, we have completed 40 vendors review



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25. Exhaust of Chemicals and Particulates
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28. Gas Systems
29. Emergency Eyewash Safety Shower Equipment
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31. Ergonomics Program Management
32. Asbestos
33. Liquid Heating Systems

安全衛生競賽評比 (Individual ESH Reward)

ESH MIR, Self Improvement, Pormotion

This List: Self Improvement

ESH MIR, Self Improvement, Pormotion > Self Improvement

Self Improvement

MIR	Type	Name	Area	Year	Quarter	Created
• Assembly FPC		P-Test Self improvement template (3Q-2014)	P-Test	2014	3Q	2014/9/14 下午 12:14
• Assembly DPC/MPC/Die Room		3Q14 Test VCT Self improvement template (3Q 14-2014)	VCT	2014	3Q	2014/9/18 上午 03:21
• Assembly WSCP/BGA		BPC 3Q14 Self Improvement	BPC	2014	3Q	2014/9/18 下午 10:24
• Assembly BPC		DPC-MPC Self improvement template (3Q-2014)	DPC/MPC/Die Room	2014	3Q	2014/9/20 上午 10:53
• P-Test		Self improvement of 3Q14_0FNB	Site1 1/F	2014	3Q	2014/9/29 下午 09:32
• Test B1		3Q14 Self-improvement	FPC	2014	3Q	2014/9/30 上午 01:30
• Test VCT		3Q14 Self Improvement List	B1	2014	3Q	2014/9/30 上午 08:29
• Test NB-3F		ASSY WSCP BGA Self improvement 3Q_2014	WSCP/BGA	2014	3Q	2014/9/30 上午 11:02
• Test OB-1F, NB-6F		Self Improvement of 3Q14_3FNB	Site1 3F	2014	3Q	2014/9/30 下午 05:07
• Test Site 2		Test Eagle Self improvement template (3Q-2014)	Site2 4F	2014	3Q	2014/9/30 下午 05:43

工作場所該有的都有，所有的東西都就定位！
A Place for Everything, and Everything in It's Place



安全衛生改善提案今年共192件

提案內容 (Description & Picture)

EO laser 機台前面的安全門，Open/Close為油壓桿所支撐，長時間下來油壓桿容易支撐力不足，造成掉落，倘若人員在維修保養時不慎掉落則會打到頭，相當的危險。

改善前(Before)

油壓桿容易掉落，造成危險

為了改善如此危險的問題，所以改變了安全門 Open/Close的方式，以interlock裝置取代油壓桿，如此可避免掉落的危險及更換油壓桿的費用。

改善後(After)

將安全門改成interlock的方式，較為安全



安全衛生競賽評比 (Department ESH Reward)

單位	FPC	B/I	Site1 1F/6F	VLCT	BGA/ WCSP	BPC	P-Test	DPC/ MPC	Site2 4F	Site1 3F
工傷 損失工時	50	50	50	50	50	50	50	50	50	50
安全衛生 提案評比	14	7	6	4	2	1	1	0	1	0
稽核分數	20	20	20	20	20	20	20	20	20	20
3Q 安全文化促進	10	10	10	10	10	10	9	8	6	8
缺失自我改善	10	10	10	10	10	10	7	10	6	3
教育訓練	10	10	10	10	10	10	10	10	10	10
Subtotal	114	107	106	104	102	101	97	98	93	91



In 2014 3Q
total safety promotion 272 cases



作業環境改善 - Working Environment Improvement

ESH Method Improvement Recommendation			
提案名稱(Subject): Upgrade LDF junk collector			
提案人 (Submitted by)	M.H Lee	主管姓名 (Supervisor)	Richard King
提案內容(Description & Picture)			
每回收工前需清理廢物架架椅, 必需以人工把物料裝到回收的椅子再裝空架			改用廢門

人因工程

安全抬舉絕招



For Ergonomic improvement, total 87 cases in 2014

including LDF just-24kg	Junk fall into collector
改善評估 (Improvement Evaluation)	
根據小車使用後的反應普遍良好, 新設計可以避開因過重造成搬不動或受傷情況。	
人因工程作業環境改善	

第二招

上下抬舉時藉由彎曲膝蓋的蹲下及站立以避免脊椎因拉扯而受傷

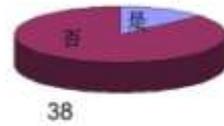


Stair Risk Survey Result

您覺得樓梯間設計是否安全?



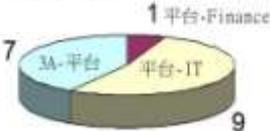
您是否曾經在樓梯間跌倒?



您是否曾經看過有人在樓梯間跌倒?



跌倒位置:



Stair Risk Survey Result



Action

設置警示標示	14
增加防滑措施	28
增加扶手	16
樓梯改成緩坡	4
平整地面	2
轉角反射鏡	2
其他(封起來/牆打掉/間距調整/防撞條)	4

最上一層的綠色和平台間有保護片不平
上下樓梯時容易太短
轉角有反光鏡
男工常在樓梯間中快速走
塑膠地板鬆動
當男性上又走下
樓梯沒有防護條, 跌到樓梯扶手處

全員參與安全衛生文化 (ESH Culture)



你今天洗乾淨了嗎?

酒精噴灑器使用時所揮發酒精微粒噴灑雙手(特別是指縫間)再慢慢揉搓至乾。

若發現噴灑器內酒精需要補充請聯絡醫護室(1333), 方便又有效的流感防範方法!

機車安全駕駛活動 12/15

你是機車新手嗎? 你是機車老手但曾經發生過機車交通事故? 你想知道什麼是防禦性駕駛嗎? 讓專家告訴你如何當個安全駕駛人!

主題: 機車安全知多少(包括白行檢查、駕駛要領、事故預防及處理) 自由參加 隨到隨聽

時間: 12/15 14:30-16:00

地點: 新大樓入口處(包含實地訓練)

主講人: 新竹安駕中心

樓梯如虎口

請常默念: 慢走多福, 快走多衰!

「慢」字一輩輩, 是安全無上之寶。慢, 是好的行為, 一慢就可保「慢」是為了自己, 是為了別人的安全。不要隨便跑上跑下, 上下樓梯時切勿任意推擠或對準樓梯, 養成彼此尊重不互為, 且不要因忙而增加心理上, 照顧自己和他人。

出廠前應先進行安全檢查動作, 若發現人員與車:

放慢自己一時的心, 處處可避行的危險。

跌倒 案例報您聽 安全 意讓心裡埋

【提醒】

- 剛醒醒睡時超過12小時, 血液黏稠度增加時, 應先熱身一陣量起即應推車, 避免急上急下。
- 下樓梯時宜小心階梯, 應先注意階梯。
- 在四樓辦公室下下階梯時, 應先觀察平台的階梯是否清潔。

【行要】

- 手邊應隨時備有緊急逃生通行卡, 隨時在走樓梯時, 應先將通行卡, 應先將通行卡, 應先將通行卡。
- 行走時宜注意階梯, 應先注意階梯上高層階梯而下。
- 樓梯上, 應先將通行卡, 應先將通行卡。

【新高】

- 應先將通行卡, 應先將通行卡。
- 應先將通行卡, 應先將通行卡。

安全提醒

小心行走 勿使用不正 確工具與車

上下樓梯 請慢快車

Are you a good neighbor...?

請通報虛驚事故... 請通報虛驚事故...

6520

6 5 2 0

德州儀器關心您:

1. 學堂出過門可通到轄區內派出所設置臨時巡邏箱不定時加強巡邏。
2. 出門前應確認電器用品(如: 電腦、熱水器、煤爐...等)電源及瓦斯是否關閉, 建議可將插頭拔掉以確保安全。
3. 開車前請做好行前檢查並注意天氣路況調整行程, 如駕駛酒請勿開車。
4. 年節期間為詐騙高峯期, 如接到異常電話請報警或撥打165防詐騙諮詢專線。

TITL 六大安全教條
TITL & Safety Cardinal Rules

- 不要讓自己或他人處於危險中
Do not put yourself and others at risk
- 隨時遵守個人的安全程序及規定
Always follow "Personal Protection Equipment (PPE)" requirements
- 正確且適當使用個人安全裝置
Do not bypass safety device and overlook in normal production
- 關於請各位隨時留意到TITL的相關規定及程序
Always follow "Lock Out / Tag Out (LOTO)" requirements and procedure
- 所有事故必須在24小時之內通報
All injuries and accidents must be reported within 24 hours
- 嚴禁於車內奔跑
Do not run in site

WE WANT YOU!

ESH部將徵求在轄區內行車和設備提出建議以改善或改善的建議, 即日起至明年3月31日前, 我們將選出最佳提案一名, 贈送1000元禮券以表鼓勵! (限額20%, 可獲30%, 限額50%)

投稿方式:

1. 本轄區內隨時填寫投遞, 二樓可至3444樓安全處填寫投遞
2. 投稿人數需超過30人才進行評選
3. 選出的最佳MFR若發現有多位投稿者同時提出, 將由評選決定一名得主

十次車禍九次快

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職業健康促進及傷病預防- *occupational health prevention and promotion*

* 疾病預防

- * 健康檢查:不分員工年齡每年免費舉行，2013:1957人，2014:1944人
- * 體檢異常後續追蹤:362人
- * 其他癌症篩檢:子宮抹片127人，大腸癌篩檢496人，口腔癌篩檢93人
- * 每年免費提供流感疫苗(包括合約員工)，2013:716人•2014:650人
- * 免費B型肝炎疫苗於急救人員。
- * 子宮頸癌疫苗，肺炎疫苗，A型肝炎疫苗



職業健康促進及傷病預防- *occupational health prevention and promotion*

* 急、慢性病診治

- * 2012:1036人次，2013:849人次，2014至今:838人次，免掛號費免部分負擔
- * 全廠廣建急救箱共24個。
- * AED建制及訓練。明年將另增購12組。



* 健康促進

- * 急救人員:法規要求28人，實際有33人
- * 減重比賽，體脂肪檢測，骨質密度檢測，各類講座共710人參與。



社會企業責任- *Social Responsibility*



義賣與傳情活動 成果匯報



Outline

- Introduction
- Acknowledgements
- Texas Instruments Overview
- Texas Instruments Safety Journey
- Texas Instruments Taiwan Safety Programs

 Summary



TEXAS INSTRUMENTS

Thank YOU!

For allowing us to be a part of the Taiwan SAFETY culture!

加油