

DH Tech

- COMPANY PROFILE
- PRODUCT INTRODUCTION



❖ COMPANY PROFILE

GREETING

ORGANIZATION

EQUIPMENTS

Hello, I am Kim Hwi-chan, CEO of DH Tech Co., Ltd.

We strive to become DH Tech that continuously focuses on R&D to ensure the highest quality at all times.

As all electronic/information/communication devices, which form the foundation of the rapidly evolving and interactively changing social structure and information communication technology, continue to proliferate exponentially, concerns about their harmful effects on the human body and malfunctions caused by electromagnetic waves are becoming more prominent.

As a result, there is a surge in demand for materials that effectively provide shielding, grounding, and absorption against such harmful electromagnetic waves.

DH Tech is an IT material company that provides optimal solutions to meet these demands.

With the motto of "**Challenge to the world's best technology**" in the EMI field, all executives and employees will do their utmost to grow into a truly global IT material company that grows together with our customers.

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Company History

2012 year ~ 2021 year

2012 ~ 2015

- Jun 2012: Established DH Tech, registered as a venture business
- Nov 2012: Completed plating line (No. 1 & 2)
- Apr 2013: Entered Japanese market
- May 2013: Certified as a company-affiliated research institute
- Dec 2013: Achieved 180,000M target
- Sep 2014: Expanded plating line (No. 3)
- Oct 2014: Acquired ISO 9001 / 14001 certification
- Dec 2015: Entered Chinese market

2017 ~ 2021

- Mar 2017: UL certification for conductive tapes
- Jun 2017: Mass production of conductive tapes
- Aug 2017: Registered as SME
- Jun 2018: Re-certified as a venture business
- Dec 2018: Achieved sales of 10 billion KRW
- Mar 2019: Featured in Seoul Economic Daily
- Mar 2019: Awarded Korea's SME of the Year
- Apr 2019: Registered as high-tech venture in Daegu-Gyeongbuk
- Jan 2020: Full member of Daegu-Gyeongbuk High-Tech Venture Business Association
- Feb 2020: Certified as a root enterprise
- Feb 2020: Certified as a materials & components specialist company
- Apr 2020: Certified as a medium-sized business
- Dec 2020: Achieved Million Dollar Export Tower

2022 year

2022

- Mar 2022: Patent application (No. 10-2022-0031843) - Manufacturing method of composite sheet for electronic components
- Mar 2022: Patent application (No. 10-2022-0051851) - Method for producing thin conductive sheet using electroless plating without palladium catalyst
- Dec 2022: Acquired risk assessment certification

2023

- Mar 2023: Patent application (No. 10-2023-0031052) - Composite sheet and its manufacturing method
- Sep 2023: Patent application (No. 10-2023-0123877) - Method for manufacturing conductive fiber from recycled fiber using dry and wet processes

2024

- Nov 2024 : Patent Application (10-2024-0161900)
 - Method for Manufacturing Conductive Fibers Using Electroplating Process

2025

- Jun : Ongoing Project under the 2021 Materials and Components Technology Development Program
 - Supervised by the Ministry of Trade, Industry and Energy (MOTIE)

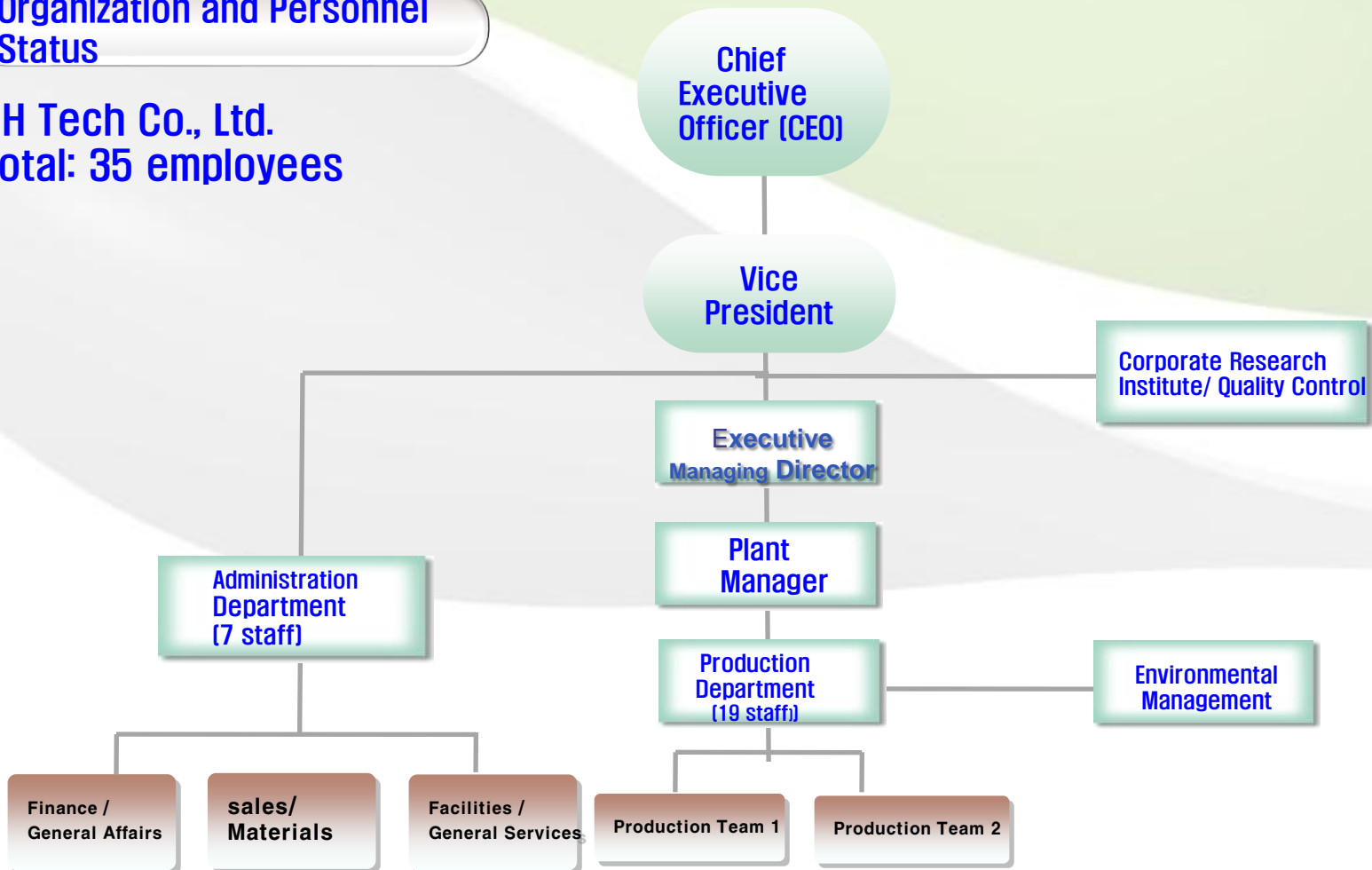


ORGANIZATION

<http://www.dhtechnology.co.kr>

Organization and Personnel Status

DH Tech Co., Ltd.
Total: 35 employees



DH Tech PLATING EQUIPMENTS

#1 PRE-PLATING

- Ni (plating)
- 150,000 meter / month

#2 MAIN-PLATING

- Cu + Ni (plating)
- 150,000 meter / month

#3 ALL in ONEPLATING M/C

- Ni + Cu + Ni (plating)
- 100,000 meter / month

#4 Additional coating line

- ATU and other process (coating)
- 100,000 meter / month

Pre Plating



Main Plating



Pre and Main plating



Additional coating



Conductive fabric



Conductive Fabric

- Excellent shielding effectiveness with low Resistance and superior conductivity
- Flexible and easy to converting

Conductive Tape



Conductive Tape

- Conductive Fiber + Adhesive
- Outstanding Conductivity/Stability
- Applying for small electronic devices.

Shield Foam Gasket



EMI Gasket

- Polyurethane vesicant+ Conductive fiber
- Outstanding absorbing effect & contact
- Stability & reliability

Conductive Cushion



Sponge

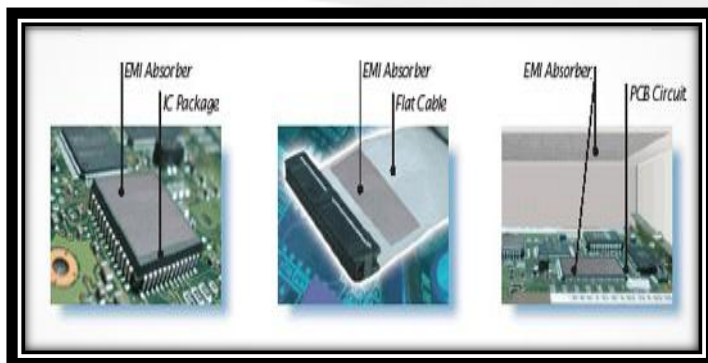
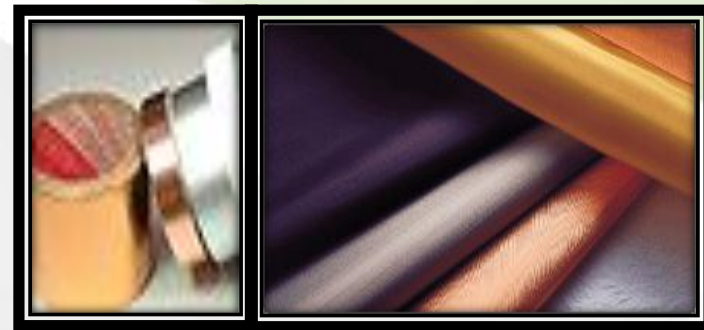
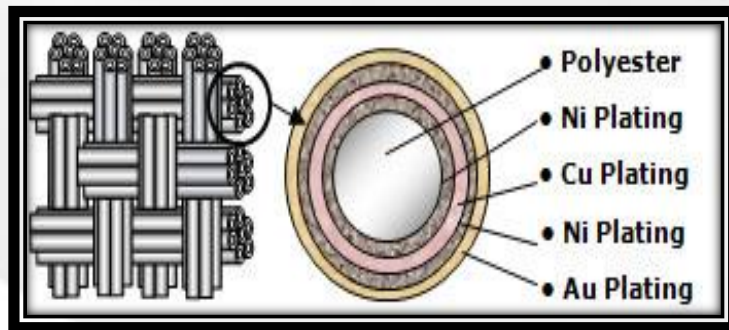
- Superb shockproof of physical shock & shielding effectiveness
- Various thickness, simple adhesion
- Outstanding thin coating's Know-how

APPLICATION – Conductive fabrics , Tapes

<http://www.dhtechnology.co.kr>

Electromagnetic shielding

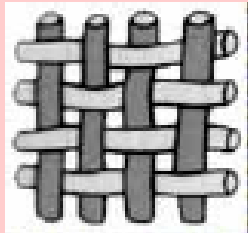
- For Fiber Plating, Porous polymeric sheet
- Product details: pretreatment liquid catalyst solution, electroless Cu plating, electroless nickel plating, etc



Conductive Fabric

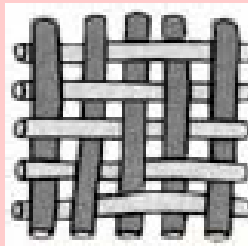
Reference: What's the way of weaving

There are many types of woven in the world. Here shows a reference below several basic types of weaving.



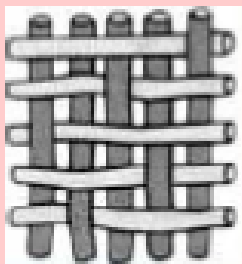
- Plain weave (Taffeta)

A texture that alternates warp and weft yarns one by one. This type is one of most rugged and practical type of fabric. Calico represents this type.



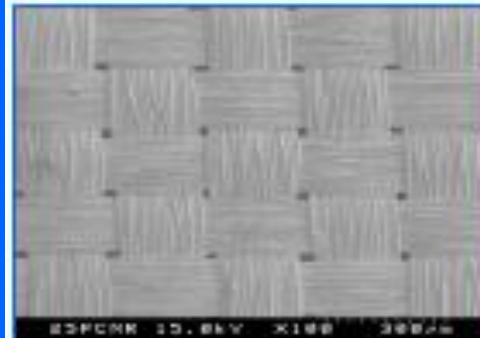
- Twill (Diagonal weave)

A texture that alternates warp and weft diagonally and makes a pattern. This type has shiner and feeling soft surface than those of Plain weave. Because of its texture rather dense, this type is good at light blocking effect. Serge represents this type.

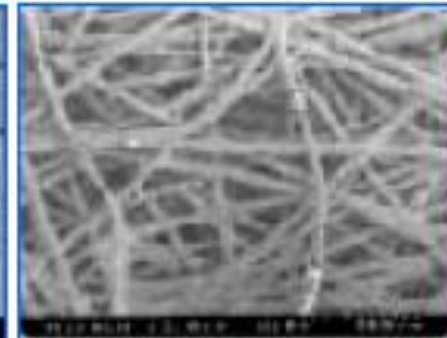


- Satin

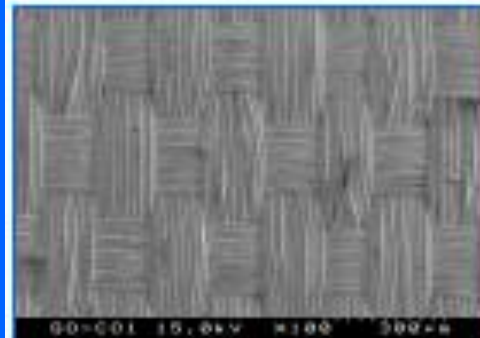
A texture having much floating yarns that alternates warp and weft at a regular interval. This type having shine surface looks gorgeous, but weak at friction.



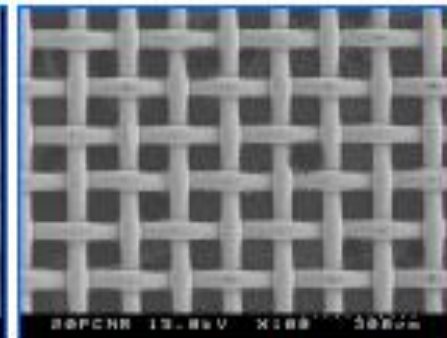
Micrograph of Taffeta



Micrograph of non-woven



Micrograph of Ripstop



Micrograph of Mesh

★ Status of Major Equipment ★

<http://www.dhtechnology.co.kr>

Constant Temperature
and Humidity Chamber



Universal Testing
Machine (UTM)



Resistance
Meter



Compression
Tester



Cutting
Machine



CIRE



Resistance
Meter



Salt Spray
Tester



Certificate

[공서번호: SIOP-nfiJ-epyA-P0wZ]

[발급일자: 2023년 01월 16일]

제 2013112133 호

기업부설연구소 인정서

1. 연 구 소 명: (주)디에이치텍 기업부설연구소
[소속기업명: (주)디에이치텍]
2. 소 재 지: 경상북도 칠곡군 악목면 경호천동길 62-24
3. 신고 연월일: 2022년 10월 27일
(최초인정일: 2013년 5월 16일)
※ 변경내역: 인력 변경

과학기술정보통신부

「기초연구진흥 및 기술개발지원에 관한 법률」 제14조의
2제1항 및 같은 법 시행령 제27조제1항에 따라 위와 같이
기업부설연구소로 인정합니다.



2022년 11월 4일

한국산업기술진흥협회



발급번호 제 20220727030064 호

벤처기업확인서

- 기 업 명 : (주)디에이치텍
- 사업자등록번호 : 513-81-70199
- 대 표 자 : 김휘찬, 김동현
- 주 소 : 경상북도 칠곡군 악목면 경호천동길 62-24
- 확인유형 : 혁신성장유형
- 유효기간 : 2022년 06월 29일 ~ 2025년 06월 28일

위 기업은 「벤처기업육성에 관한 특별조치법」 제25조의 규정
에 의거 벤처기업임을 확인합니다.

2022년 07월 27일

벤처기업확인기관장



벤처기업 해당사유 : 벤처기업법 제2조의2제1항제2호 가목의 요건을 충족하는 벤처기업
(또는 나목의 요건을 충족하는 벤처기업, 또는 다목의 요건을 충족하는 벤처기업)

제 23200-16678 호

뿌리기업 확인서

1. 기업명: (주)디에이치텍
2. 사업자등록번호(법인번호): 513-81-70199 (175211-0037212)
3. 대표자: 김휘찬, 김동현
4. 소재지: 경상북도 칠곡군 악목면 경호천동길 62-24
5. 사업개시일: 2012. 06. 01.
6. 유효기간(3년): 2023. 02. 09 ~ 2026. 02. 08.

「뿌리산업 진흥과 첨단화에 관한 법률」 제14조의2제2항에 따라 위 기업을 뿌
리기업으로 확인합니다.

2023년 02월 09일

한국생산기술연구원장



Certificate



CERTIFICATE NO. **AE-14J091/2**

WE HEREBY CERTIFY THAT THE ENVIRONMENTAL MANAGEMENT SYSTEM OPERATED BY

(주)에이치텍

FOR THE FOLLOWING ACTIVITIES

Site:
경북 칠곡군 악목면 경호천동길 62-24

IS IN COMPLIANCE WITH THE SCHEME REQUIREMENTS

ISO 14001:2015 / KS I ISO 14001:2015

FOR THE FOLLOWING ACTIVITIES

전자파 차폐제품 및 소재의 설계/개발 및 제조

JAS-ANZ  IAF 

Original Date of Certification 09 Oct 2014 Date of Issue 09 Oct 2020
Date of Expiry 08 Oct 2023

Kim Byung Cheol
APPROVED BY



 에이스인증원
경기도 수원시 영통구 영통대로 1556번길 16-16 177호(영통동 디지털벤처이노)
Tel. 82-31-303-4594-5 Fax. 82-31-303-4596 www.acerk.com



CERTIFICATE NO. **AQ-14J091/2**

WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

(주)에이치텍

FOR THE FOLLOWING ACTIVITIES

Site:
경북 칠곡군 악목면 경호천동길 62-24

IS IN COMPLIANCE WITH THE SCHEME REQUIREMENTS

ISO 9001:2015 / KS Q ISO 9001:2015

FOR THE FOLLOWING ACTIVITIES

전자파 차폐제품 및 소재의 설계/개발 및 제조

JAS-ANZ  IAF 

Original Date of Certification 09 Oct 2014 Date of Issue 09 Oct 2020
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Kim Byung Cheol
APPROVED BY



 에이스인증원
경기도 수원시 영통구 영통대로 1556번길 16-16 177호(영통동 디지털벤처이노)
Tel. 82-31-303-4594-5 Fax. 82-31-303-4596 www.acerk.com



Control Union Certifications B.V.
Meeuwenlaan 4-6, 8013 BZ, Zwolle, Overijssel, NL, OV, Netherlands, NL
+31 38 426 0100
www.controlunion.com

Scope Certificate Number: CU1376435RCS-2024-00120122 (continued)
D.H Technology Co.,Ltd
RECYCLED CLAIM STANDARD(RCS)

Products Appendix
Under the scope of this certificate, the following products are covered:

Product category	Product details	Material composition(*)	Standard (Label grade)	Facility number
Fabrics (PC0028)	Special fabrics (P00063)	9.0% Other (Nickel) (RHS0262) 65.0% Recycled post-consumer Polyester (RHS0189) 26.0% Copper (RHS0292)	RCS (RCS Blended)	TE-00118439

Note: * Quantification (percentages) of material composition is optional. [] Separate brackets refer to certified components of a product.

Site Appendix
Under the scope of this certificate, the following facilities have been audited and found to be in conformity:

Facility name - TE-ID	Address	Process categories
D.H Technology Co.,Ltd (main) TE-00118439	62-24 Gyeongchochondong-gil, Yangmok-riyeon 39022, Chilgok-gun North Gyeongsang, 35-47 South Korea, KR	Finishing (P00022) Pre-treatment (P00022)

Associated Subcontractor Appendix

Subcontractor name - TE-ID	Address	Process categories
No subcontractors		

Independently Certified Subcontractor Appendix

Subcontractor name - TE-ID	Certification body	Expiry date	Address	Process categories
No certified subcontractors				

Place and date of issue:  Zwolle, 2024-11-08
Last updated: 2024-11-08
On behalf of the Managing Director
Lydia Cho | Certifier

This document is issued document in the valid original version
TE-ID: TE-00118439

Certification Body:  CERTIFIED

Standard logo: 

License Number: CR-CUC-1376435

Page 2 / 2



DH Tech Co., Ltd.

Certificate



제 31091호

소재·부품·장비 전문기업확인서

기 업 명 : (주) 디에이치텍 (513-81-70199)
대 표 자 : 김휘찬
소 재 지 : 경북 칠곡군 약목면 복성리 375-14번지
유효 기 간 : 2023.03.27 ~ 2026.03.26

위 기업은 「소재·부품·장비산업 경쟁력강화를 위한 특별조치법」 제14조 제2항 및 같은 법 시행규칙 제4조 제2항에 따라 전문기업임을 확인합니다.

2023.03.27

한국 산업 기술 평가관



발급번호 : 0010-2025-405432

중소기업 확인서 [중기업]

기 업 명 : (주)디에이치텍
사업자등록번호 : 513-81-70199 법인등록번호 : 175211-0037212
대표자명 : 김휘찬
주 소 : 경북 칠곡군 약목면 경호천동길 62-24 (복성리375-14)
유효기간 : 2025-04-01 ~ 2026-03-31
용 도 : 공공기관 입찰 이외 용도

위 기업은 「중소기업기본법」 제2조에 의한 중소기업임을 확인합니다.

2025년 05월 01일

중소벤처기업부장관



- 발급사실 및 발급취소 등 변동사항은 중소기업현황정보시스템(sminfo.mss.go.kr)을 통해 확인 가능.
- 유효기간 중이라도 발급일 이후 합병, 분할 및 관계기업 변동시 중소기업 지위를 상실할 수 있음.
- 거짓 자료를 통해 발급받은 경우 중소기업기본법 제28조에 따라 500만원 이하의 과태료 및 시책기관의 지원무효 등의 조치가 취해질 수 있음.

Certificate



2019 대한민국 올해의 중소기업

2019 Korea Small and Medium Enterprises of the Year

전자파차폐소재 부문 (주) 디에이치텍
대표이사 김 휘 찬

위 기업은 경영혁신을 통해 일류기업으로 거듭나기 위한
기업경쟁력을 확보하고 국가 산업 발전과 사회에 공헌한 기업
으로 서울경제가 주최하고 벤처기업협회, 백상경제연구원,
SEN 서울경제TV가 후원하는 '2019 대한민국 올해의 중소기업'에
선정되었기에 본패를 수여합니다.

2019년 3월 27일

서울경제신문
대표이사 이 종 환



등록 제 2303056 호

회 원 증

업 체 명 : (주)디에이치텍
대 표 자 : 김휘찬
소 재 지 : 경상북도 칠곡군 약목면 경호천동길 62-24
유효기간 : 2023년 03월 10일 ~ 2024년 03월 09일

상기 회사는 본 연합회 정관 제6조에
의거한 (사)대구·경북첨단벤처기업연합회
정회원사임을 증명합니다.

20 23 년 03 월 10 일



사단법인

대구·경북첨단벤처기업연합회



DH Tech Co., Ltd.

Certificate

국민체육진흥공단

第57回 貿易の 날
(주)디에이치텍
2020. 12. 8
대통령 本 개인

위험성평가 인정서

사업장명 : (주) 디에이치텍

대표자 : 김취찬

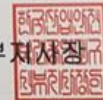
소재지 : 경북 칠곡군 악목면 경호천동길 62-24

유효기간 : 2022.12.27 ~ 2025.12.26

귀 사업장에 대한 위험성평가 수준을
확인한 결과 위험성평가 인정 기준에
적합하므로 위험성평가 우수사업장으로
인정합니다.

2022년 12월 27일

한국산업안전보건공단 대구서부지서장





THANK YOU