

EZFLEX



“We create a world where human and animals live together”

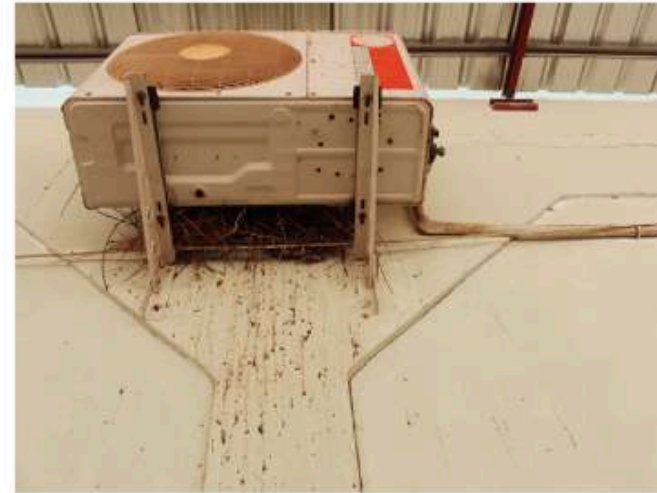


Bird Damage Situation



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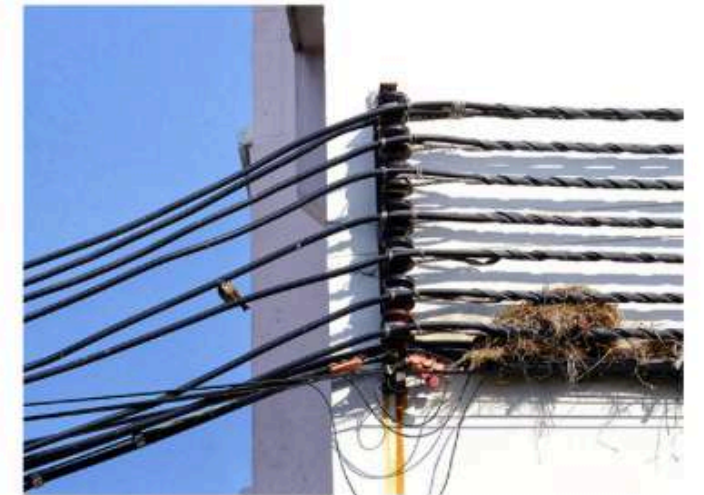
Damage caused by Pigeons



Damage caused by Crows



Damage caused by Magpies





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Harmful Birds Bird Damage



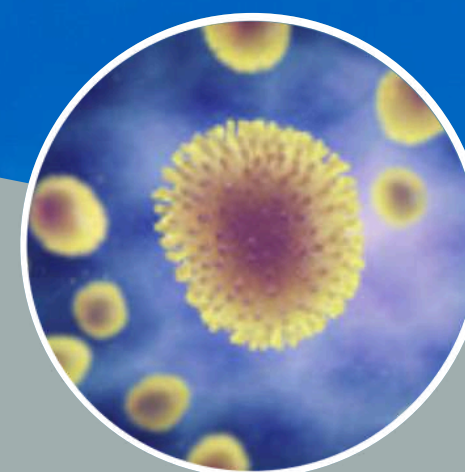
Damage to Buildings

When pigeon droppings containing ammonia and acid solidify and combine with rainwater, they cause a chemical reaction that corrodes iron. As this has been occurring for a long time without proper treatment, it may have affected the structural stability of bridges.



Power Outages

Local residents are worried about the occurrence of power outages due to the fact that birds have been building their nests along the wires of telegraph poles and electrical power substations.



Cause Serious Illness

Bird droppings can cause serious illness in humans, such as meningitis and avian influenza. In extreme cases, these droppings can lead to severe sequelae and death.



Damage to Fruit Farms

Birds cause direct damage to fruit farms such as pear farms and apple orchards.



What is Sairen?

An **eco-friendly** bird and animal repellent
Made using only natural food level ingredients that are included in the America FDA GRAS (Generally Recognized As Safe), Sairen is an environment friendly animal repellent that gets the job done

Bird Removal Tool for Structure

Sairen bird repellent for structure use was made to solve the economic losses and health problems that bird residue does to buildings etc.



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We can solved your bird problem issue!



Back view (Flat type)



Back view (Magnet type)

- ✓ *Human-friendly and **Eco-friendly Removal Tool***
- ✓ *Customized construction is possible regardless of location*
- ✓ *Anyone can install the product simply and easily*
- ✓ *Patented product that has passed testing*
- ✓ *Product effectiveness has been verified*
- ✓ *through many practical construction cases*

Sairen repels birds by stimulating it's senses.

Smell

The eco-friendly uses natural oils, plant based fragrances to stimulate the birds sense of smell.

Sight

The sharp texture on the surface of the product stimulates the bird's vision and creates a sense of fear.

Taste

Because it uses natural ingredients that has a taste that birds avoid, it stimulates the sense of tastes, but is not harmful.

Touch

When the bird touches the product, the sticky feeling makes the bird feel uncomfortable making the bird go away.



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Quality and Functionality



Easy application with lasting results !



- ✓ It is strong against external environmental factors, maintains a stable form and has a continuous function for more than two years.
- ✓ It maintain its functional stability even against high temperatures(70°C) and low temperatures(-20°C)
- ✓ Even during rain (heavy rain), thanks to its strong viscosity it won't get washed out



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How to Install



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Sairen can be installed in a way that allows the user to maintain the external aesthetics of the area. By preventing the corrosion of facilities, the service life of facilities can be extended, reducing management costs.

01 Field Survey

Check the number of objects
Determination of How Attached
the Bird is to Its Habitat

- A safe place to raise their hatched chicks
- A place with by-products such as feces or feathers
- Places to stay or rest for a short time

02 Cleaning and Disinfection

Wear basic equipment (masks, protective clothing, hard hats, safety loops, etc.) and sterilize any area that can be a cause of disease.

- Birds form very strong attachments to their habitats, so the area must be kept clean.
- If you do not properly clean the area, the repelling effect may not be as effective.

03 Installation (Applying Sairen)

After removing the lid, attach the product to the steel structure at intervals of 15 to 20 cm. For wooden and concrete structures, silicon should be applied after a certain amount of the product has been sprayed.

- The installation interval can be adjusted in areas with a low frequency of birds.

04 After-Sales Service

A week after the initial installation, visit the installation site again to investigate and reinforce as necessary.

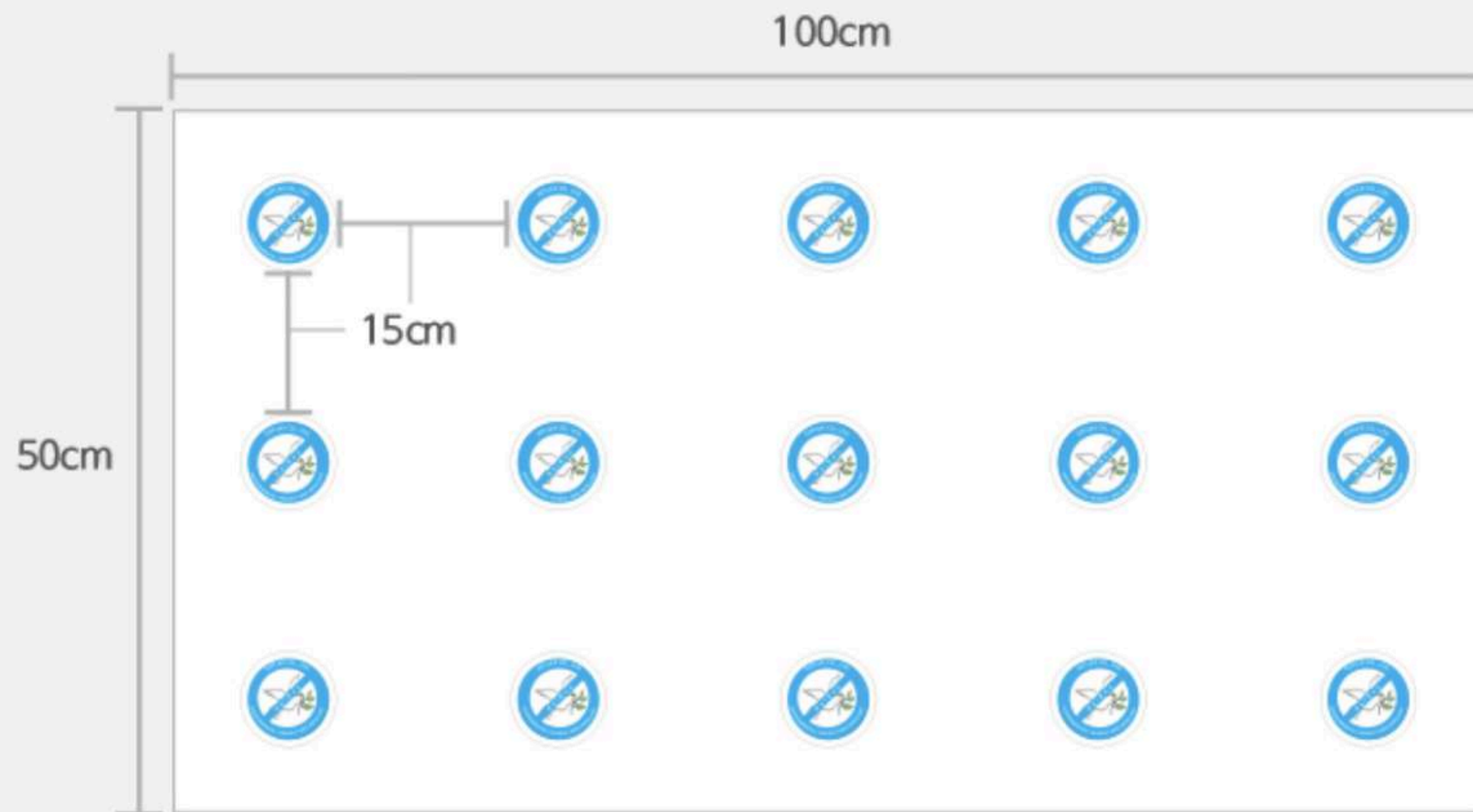
- Areas where birds have nested require attention and observation because birds have regressive instincts to return to their place of birth five to six months after they have left the nest.

05 Perfect Repellence

Installing Sairen will help repel birds while allowing users to maintain the clean external aesthetics of their facilities.

- By preventing the corrosion of facilities, the life of facilities can be extended, reducing management costs.

Product Installation Specification and Requirements



5 products are needed for every meter, if the length goes over a meter by 15cm **add 1 for every 15cm**.



It is most effective to install in all areas that the bird can reach.
Ex) outdoor unit, outrigger, porch floor etc.

Failures of Existing Repelling Methods

Failures of Existing Method



Failure of Needle Hill 1



Failure of Needle Hill 2



Failure of Needle Hill 3



Failure of Netting 1



Failure of Netting 2



Failure of removing Nests



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Failures of Existing Repelling Methods



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Pickling Install Failure

The effect is stimulated only by the sense of touch, so the effect does not last long.



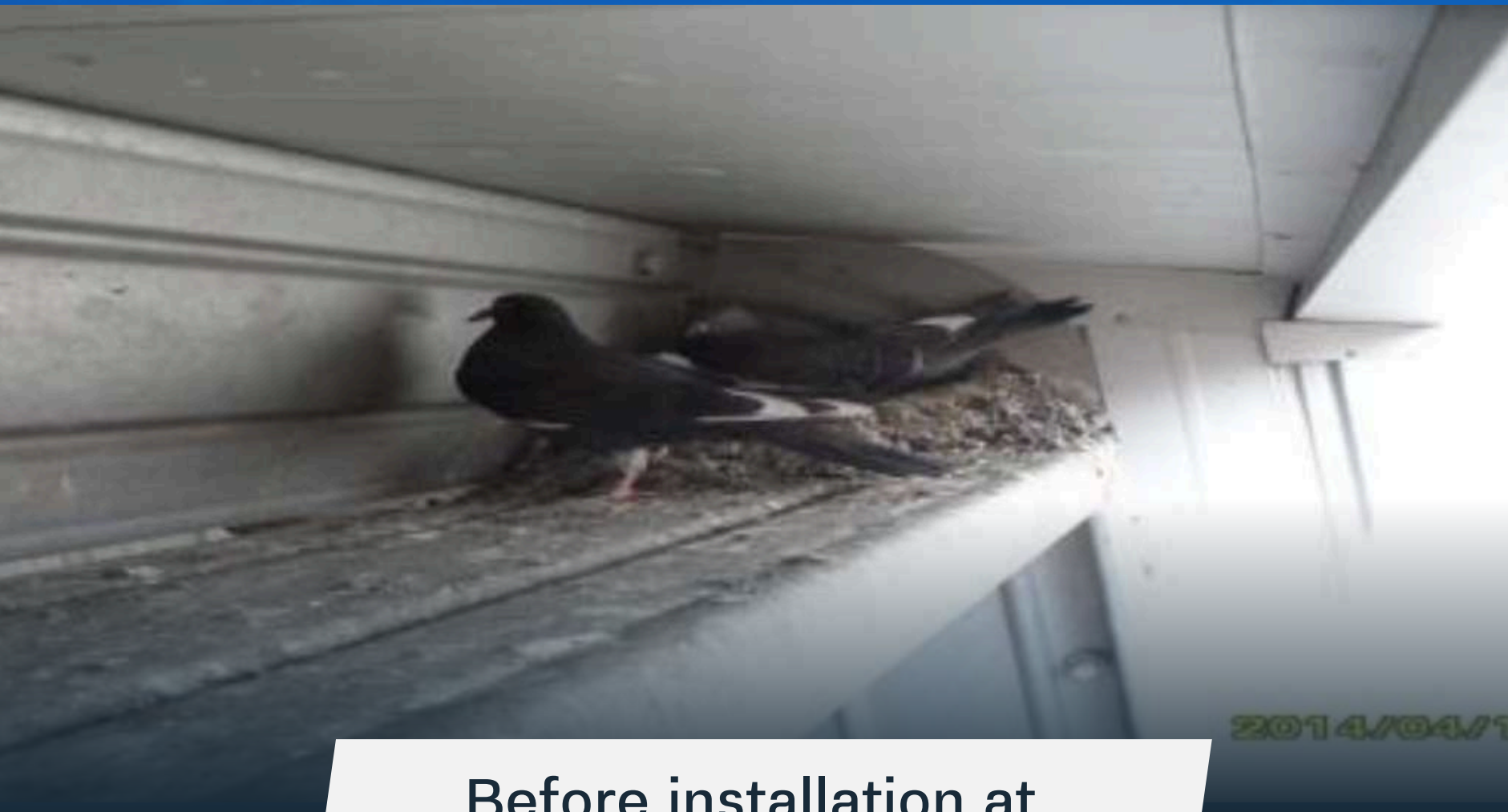
Mesh Install Failure

The duration of the effect is also short and the appearance of the product is also a disadvantage.

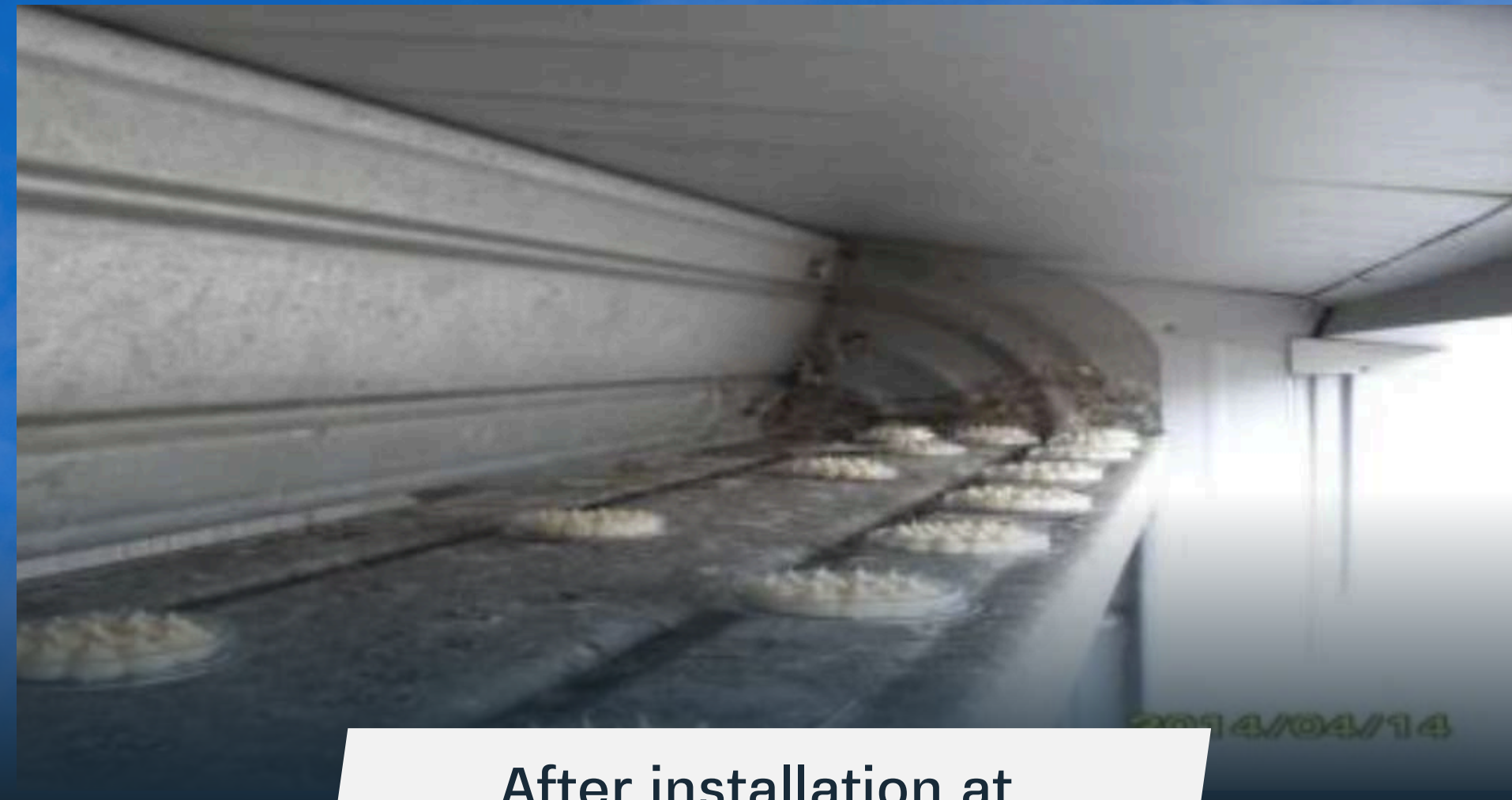


Cases before and after the installation

KOREA



Before installation at
Incheon Silver Sarangbang



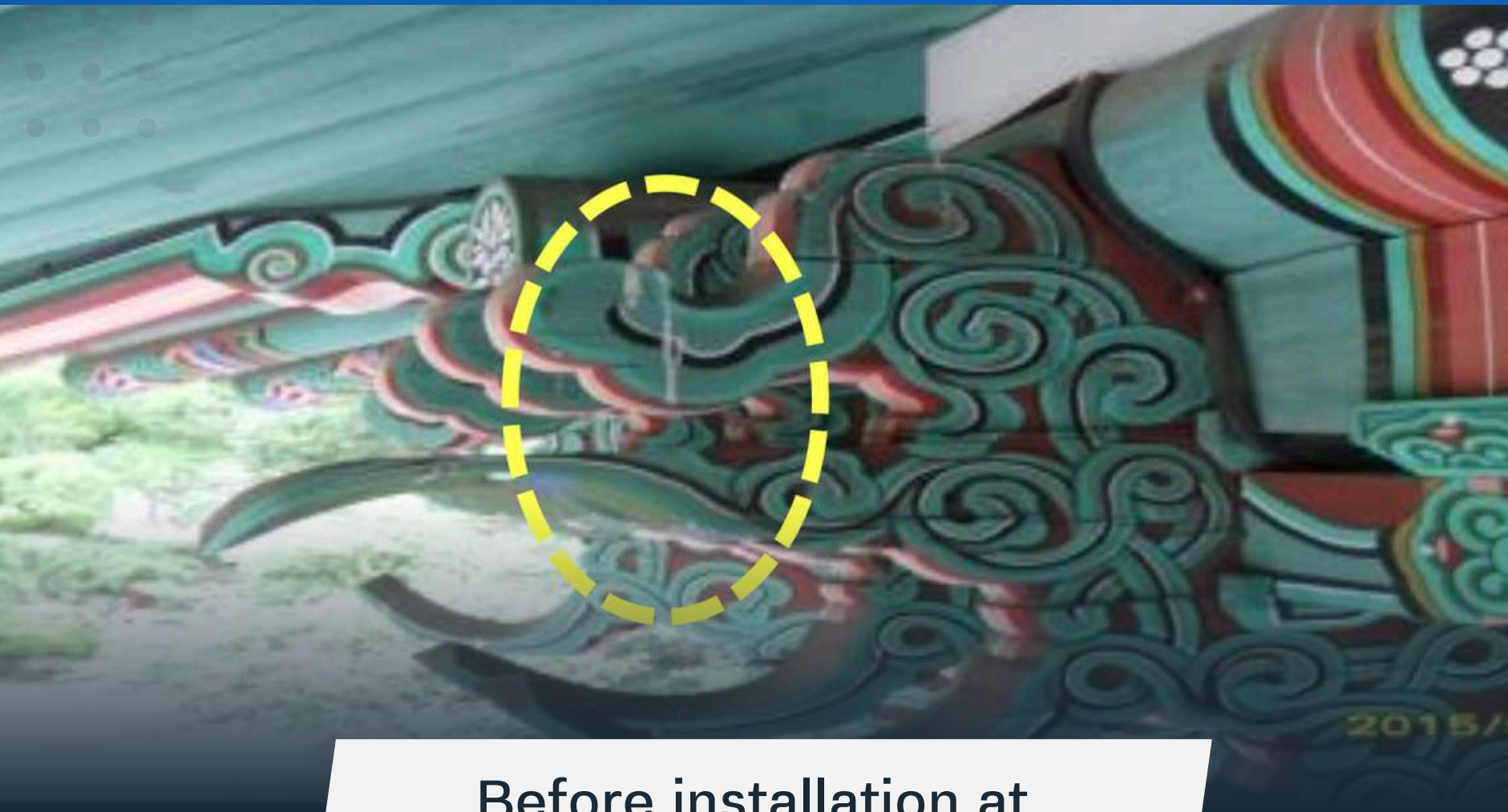
After installation at
Incheon Silver Sarangbang



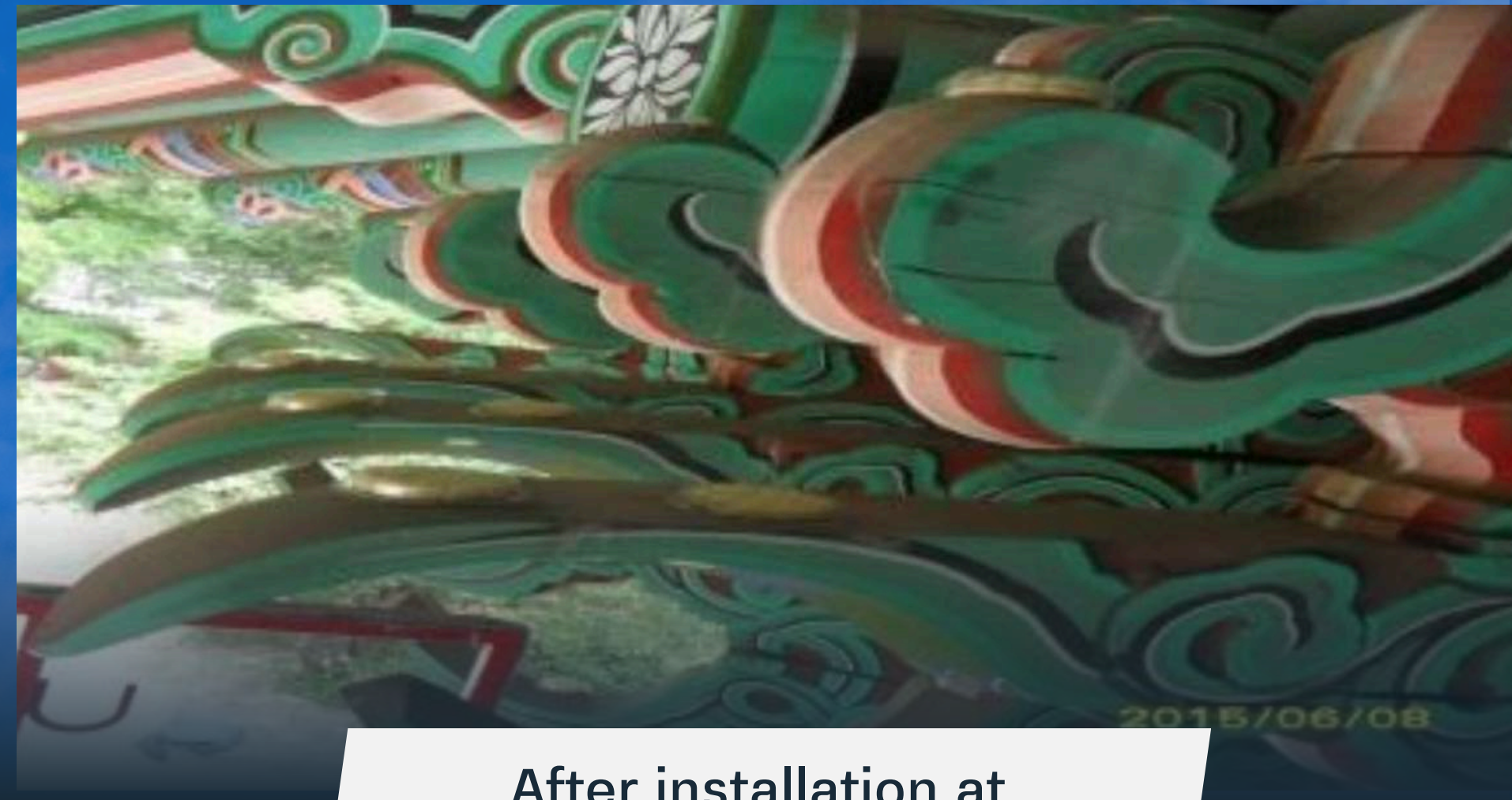
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Cases before and after the installation

KOREA



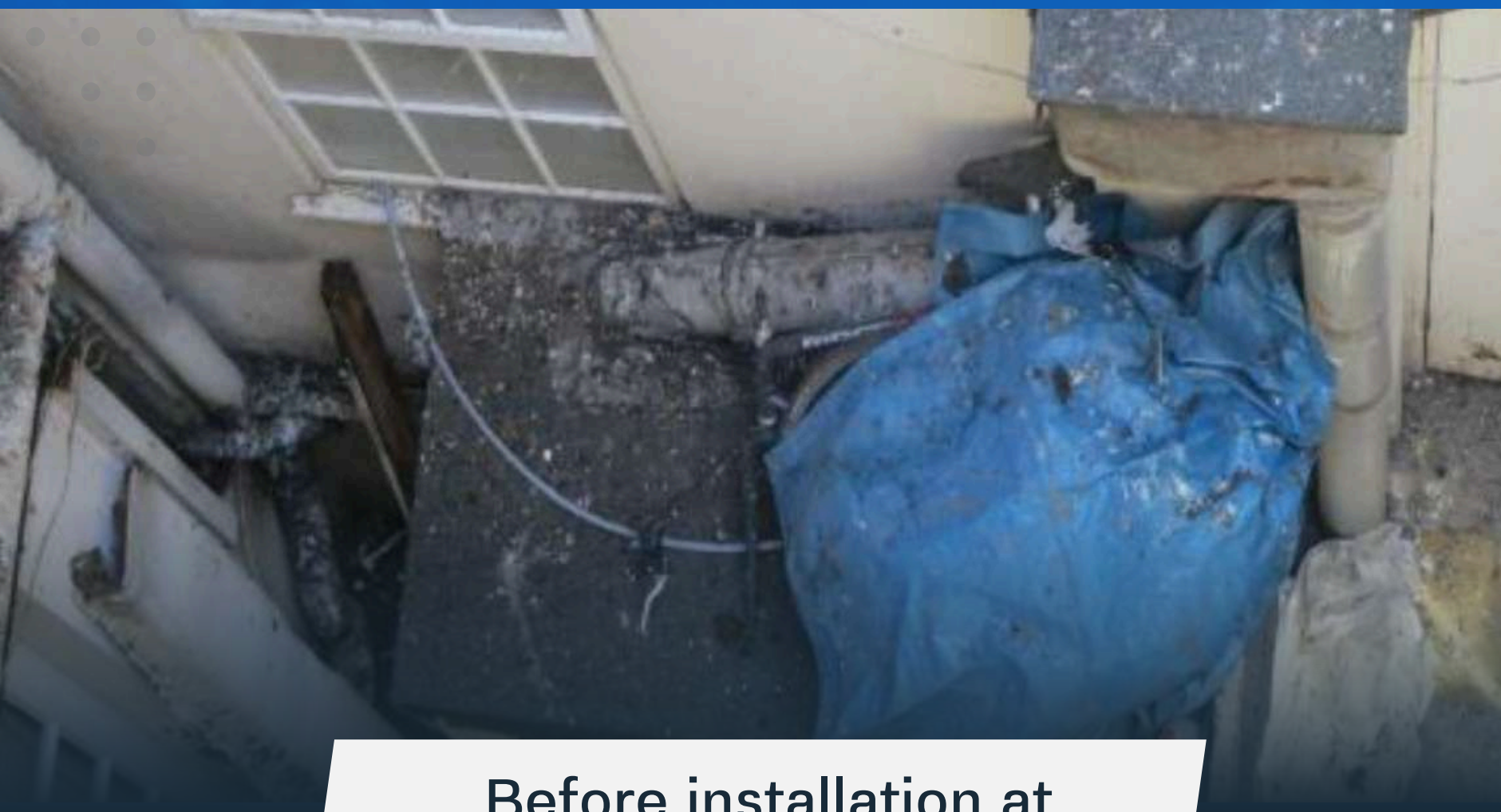
Before installation at
Daehanmun of Deoksu Palace



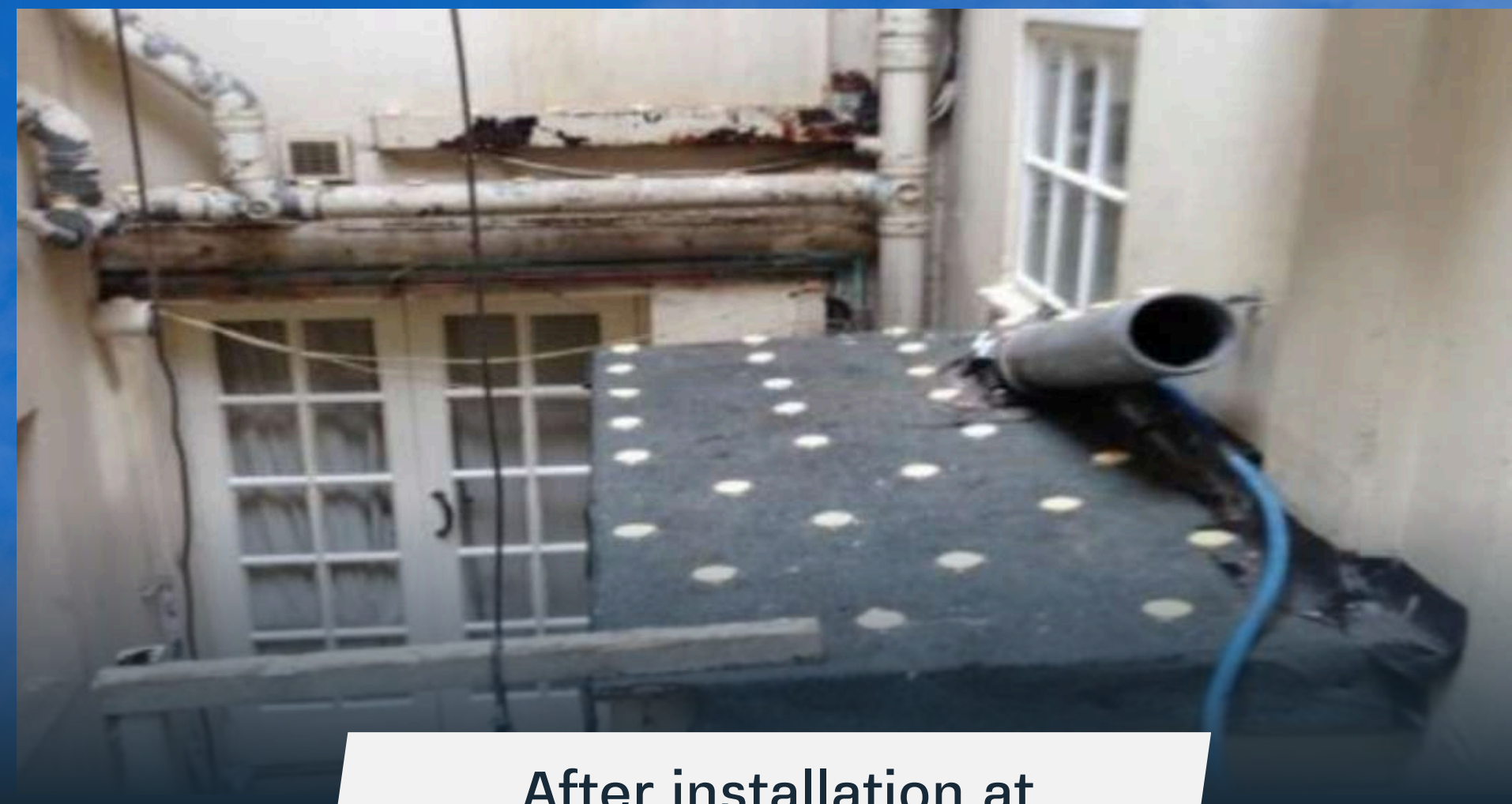
After installation at
Daehanmun of Deoksu Palace

Cases before and after the installation

UK



Before installation at
Danbury Street



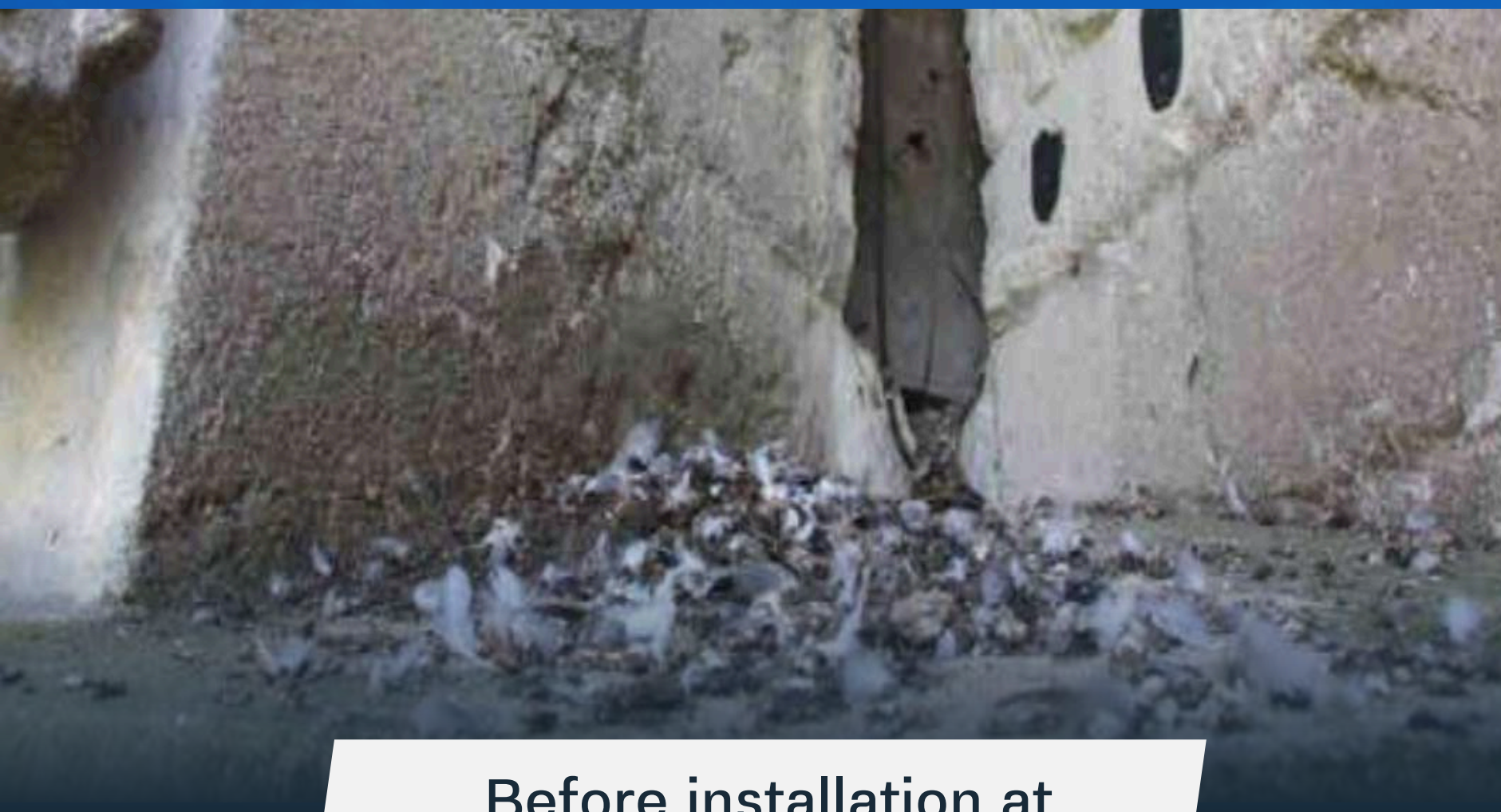
After installation at
Danbury Street



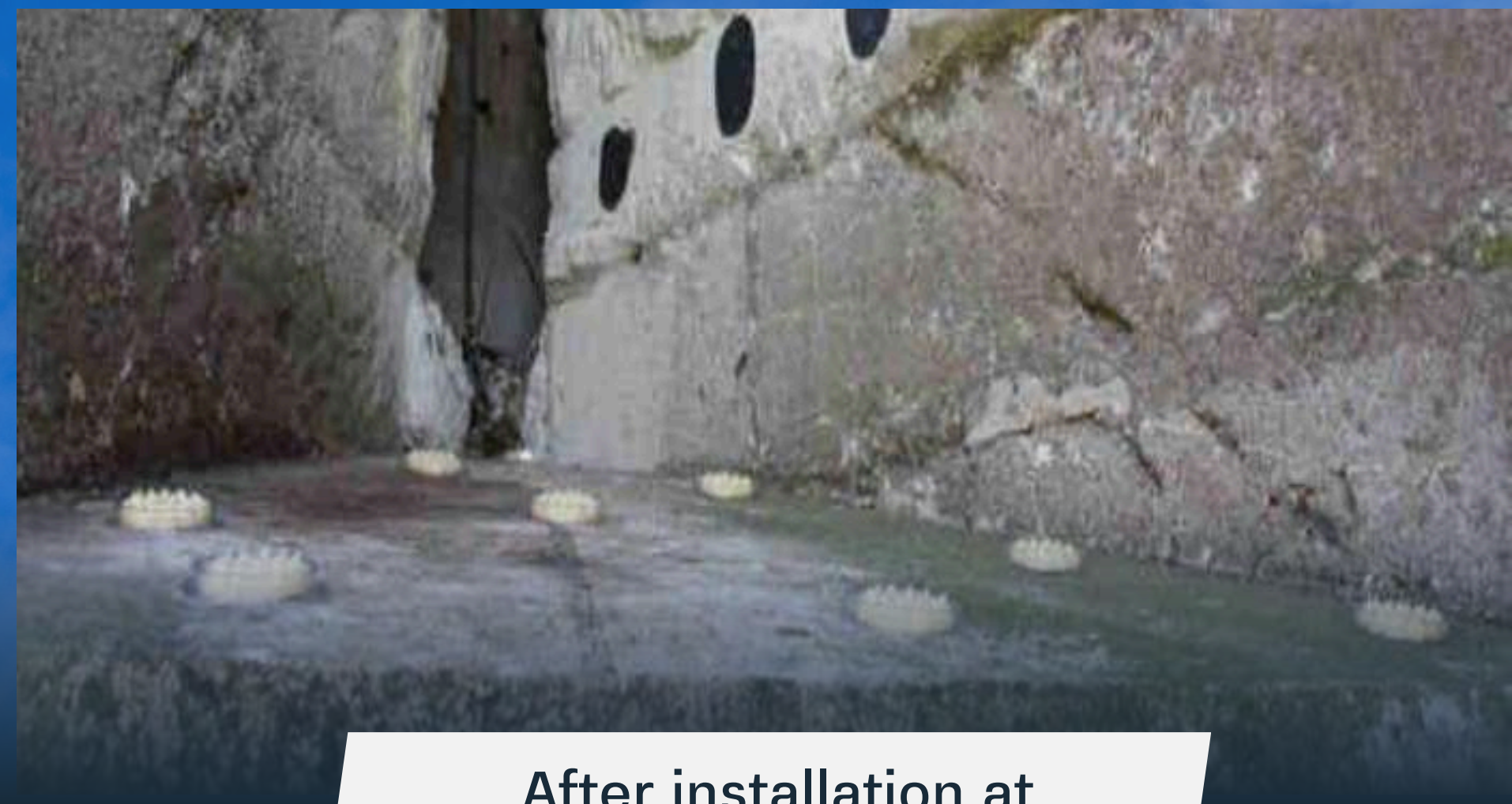
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Cases before and after the installation

FRANCE



Before installation at
Château de Chambord



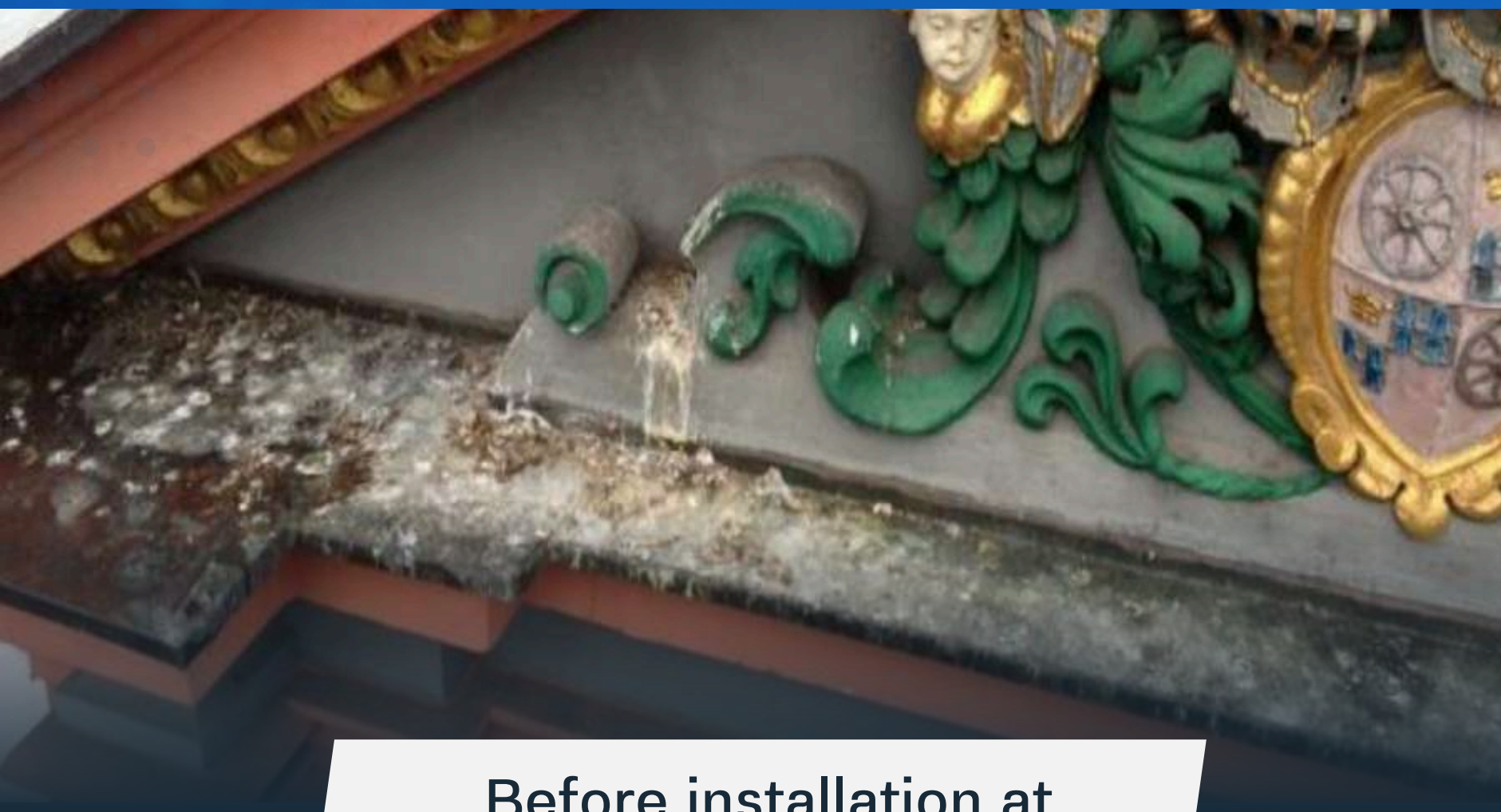
After installation at
Château de Chambord



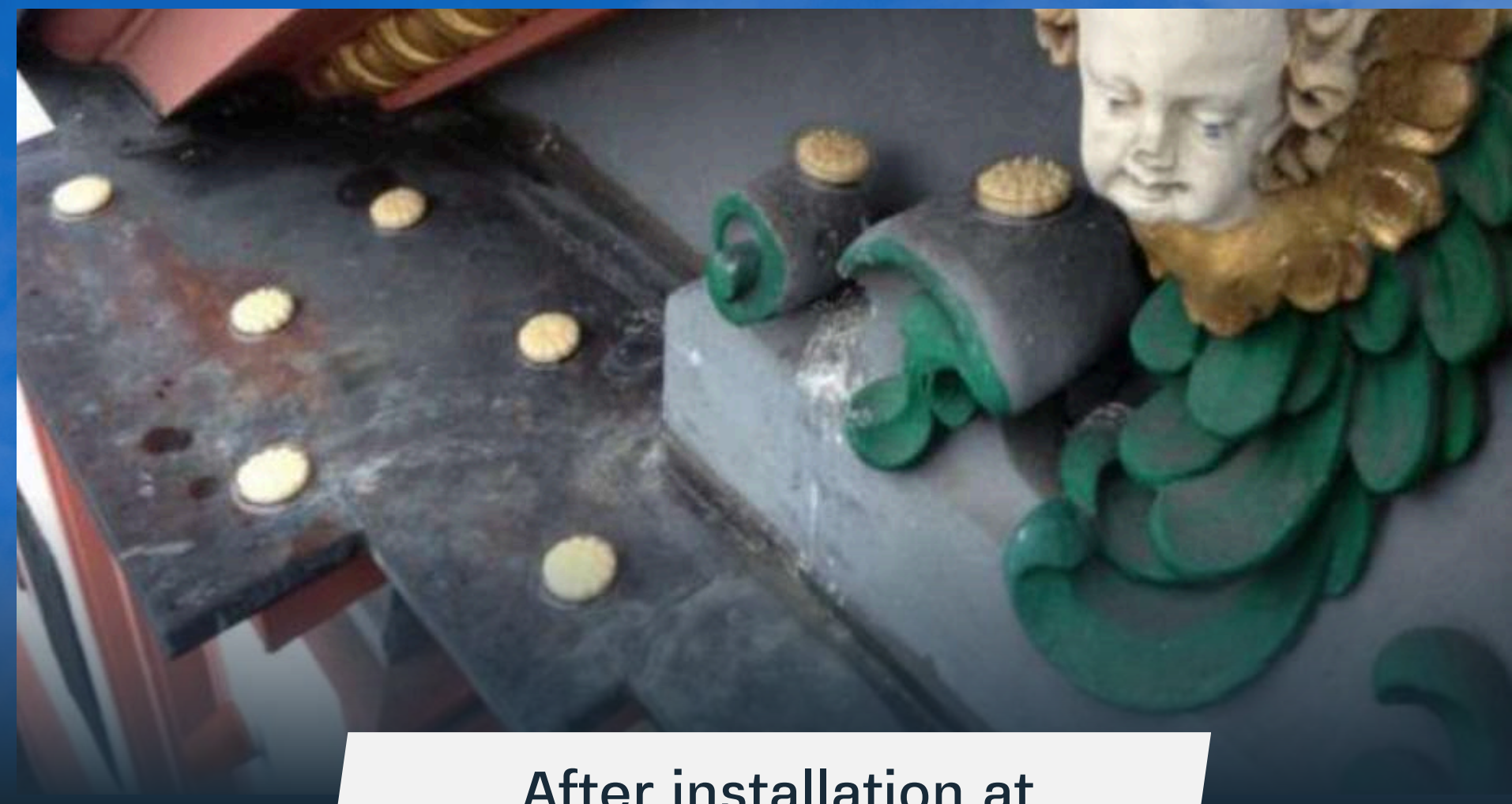
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Cases before and after the installation

GERMANY



Before installation at
Alten University in Mainz



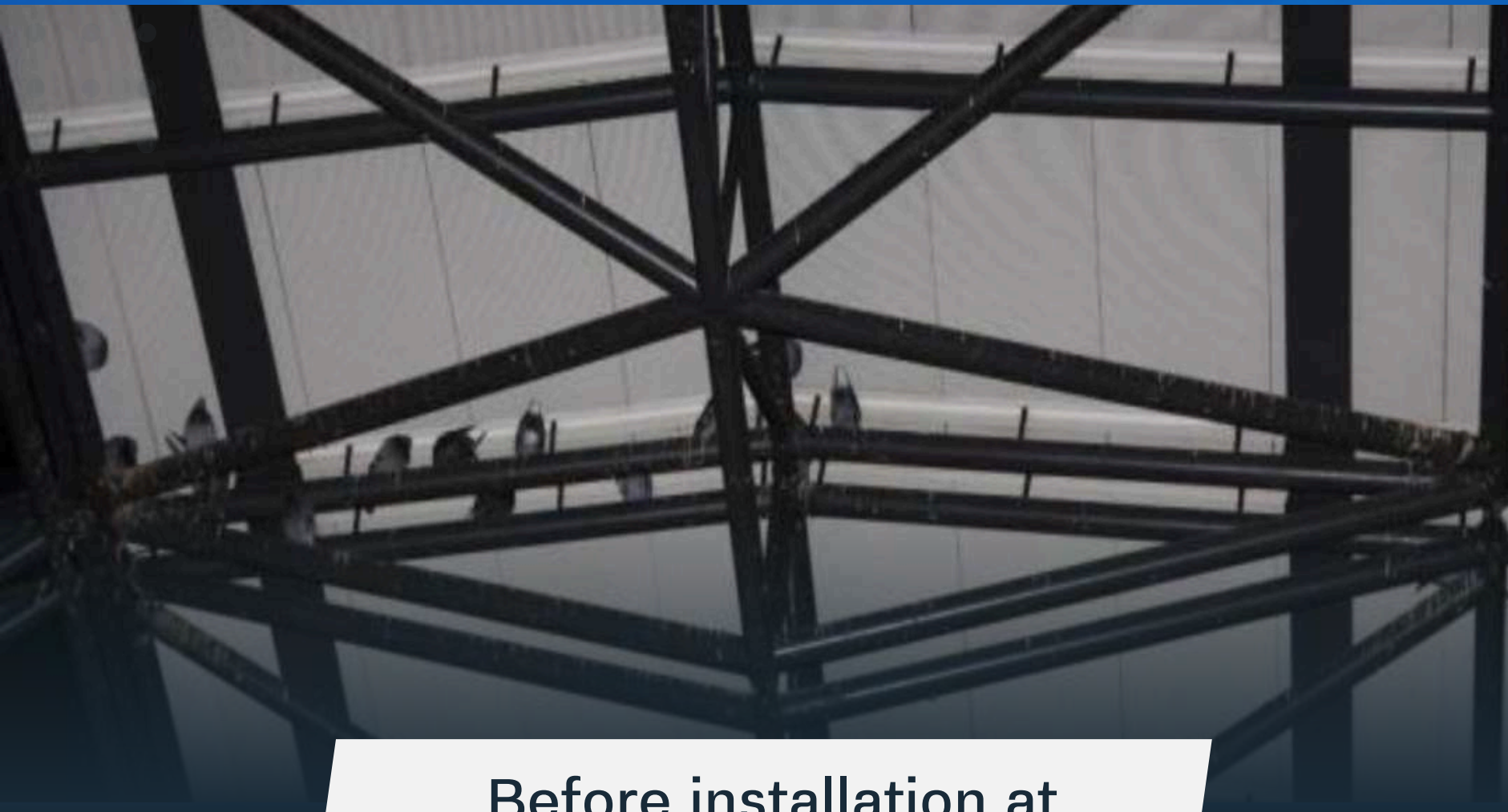
After installation at
Alten University in Mainz



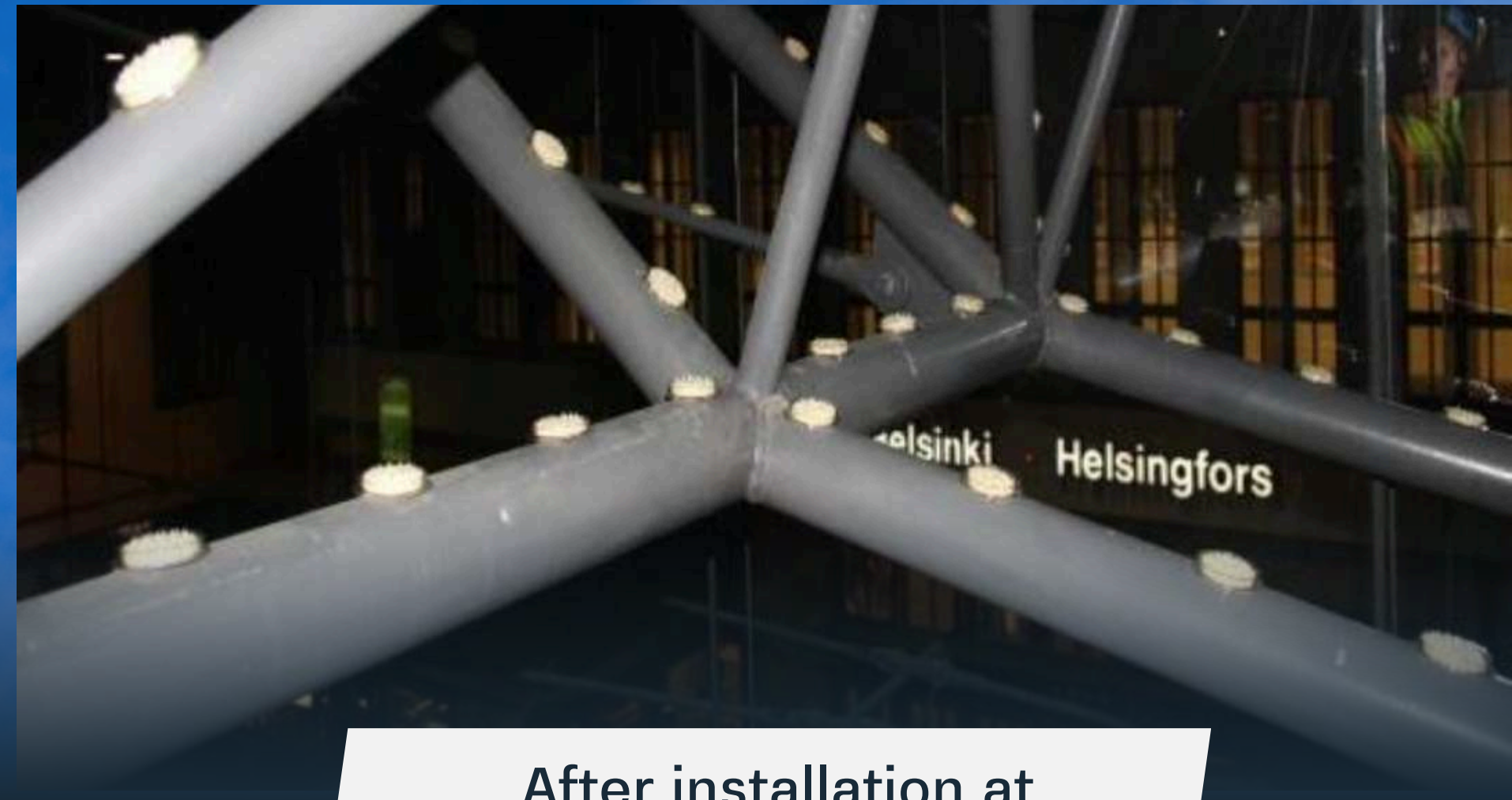
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Cases before and after the installation

FINLAND



Before installation at
Helsinki Railway Station



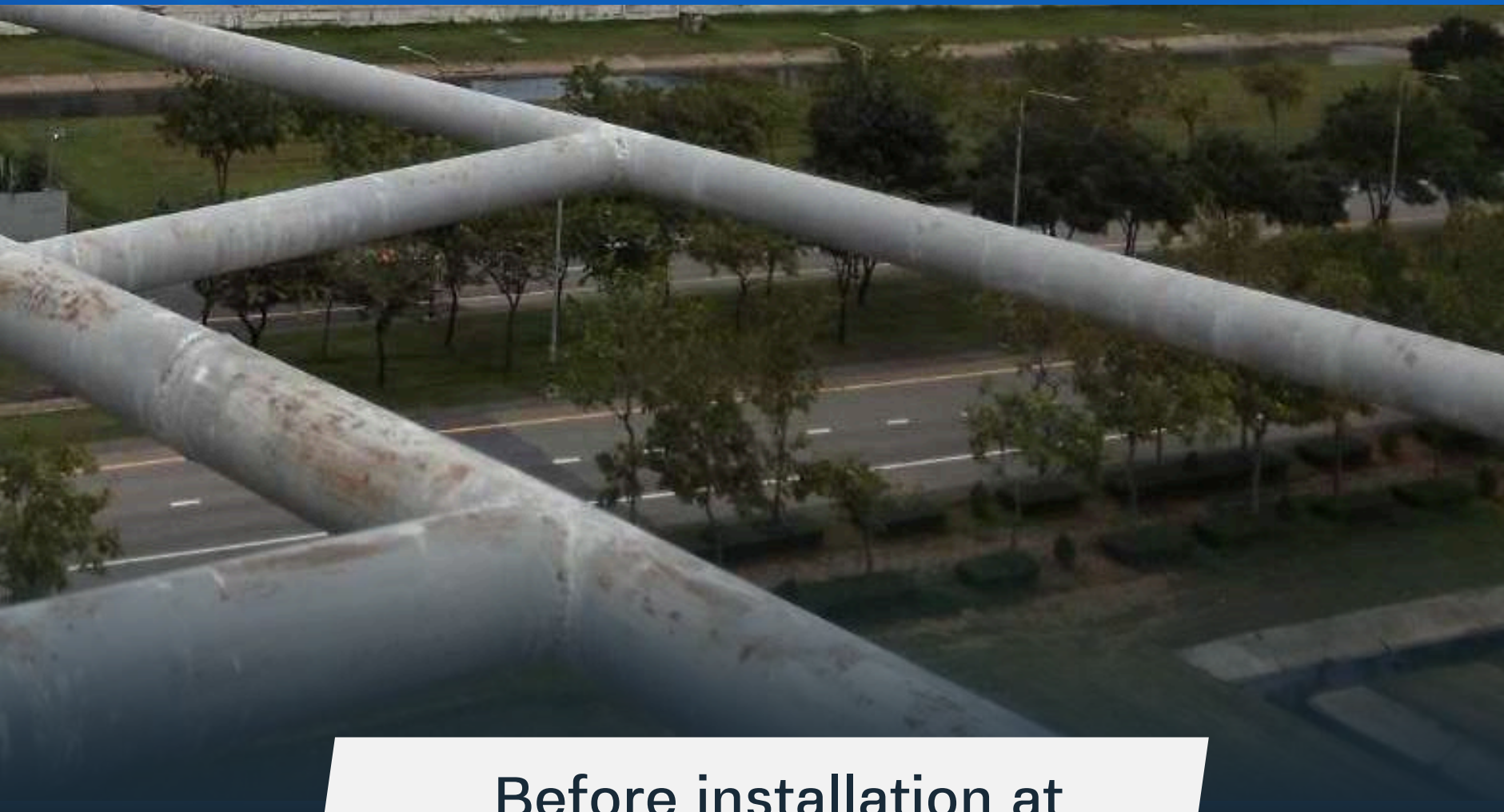
After installation at
Helsinki Railway Station



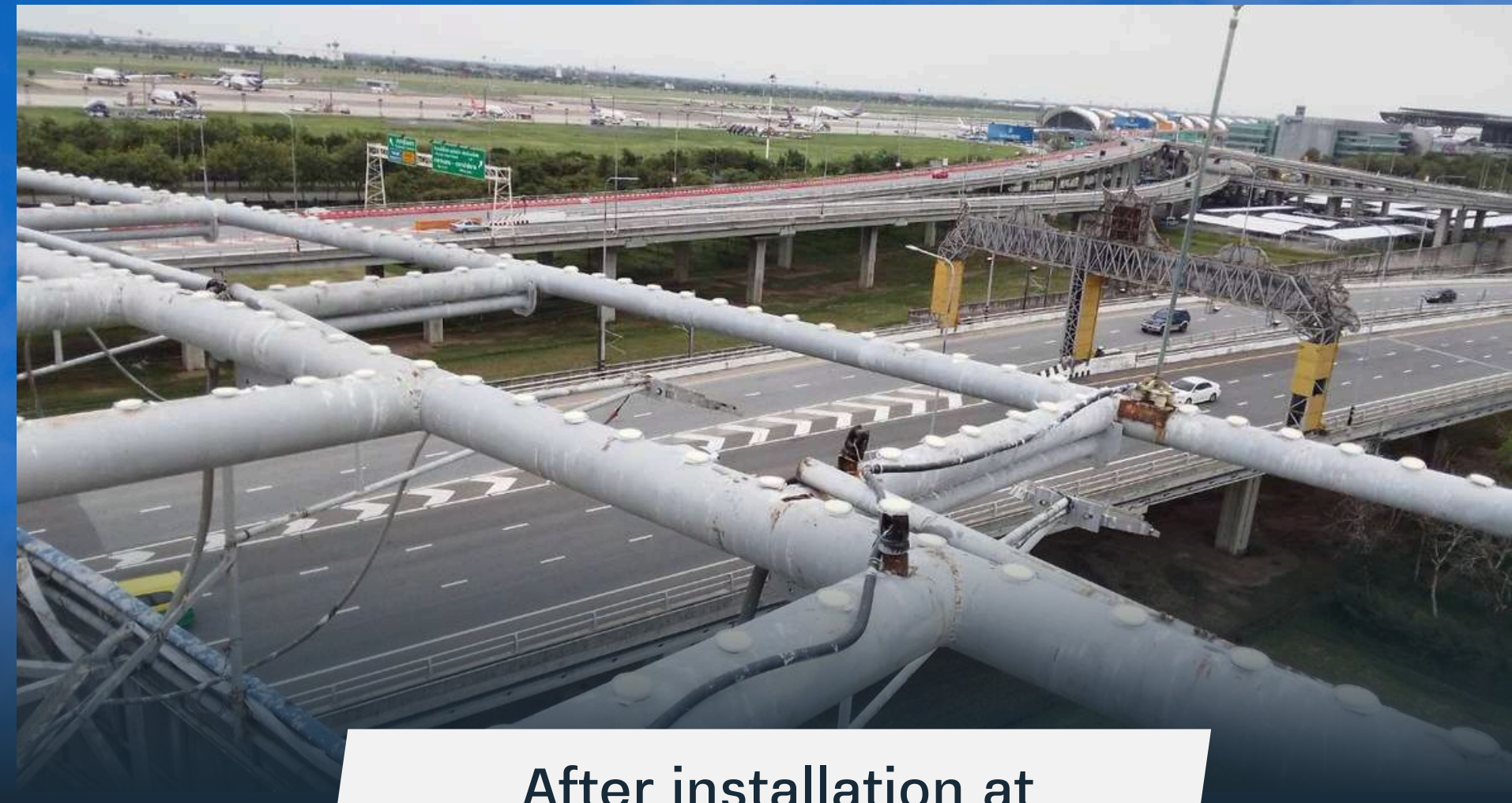
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Cases before and after the installation

THAILAND



Before installation at
Billboard structures



After installation at
Billboard structures



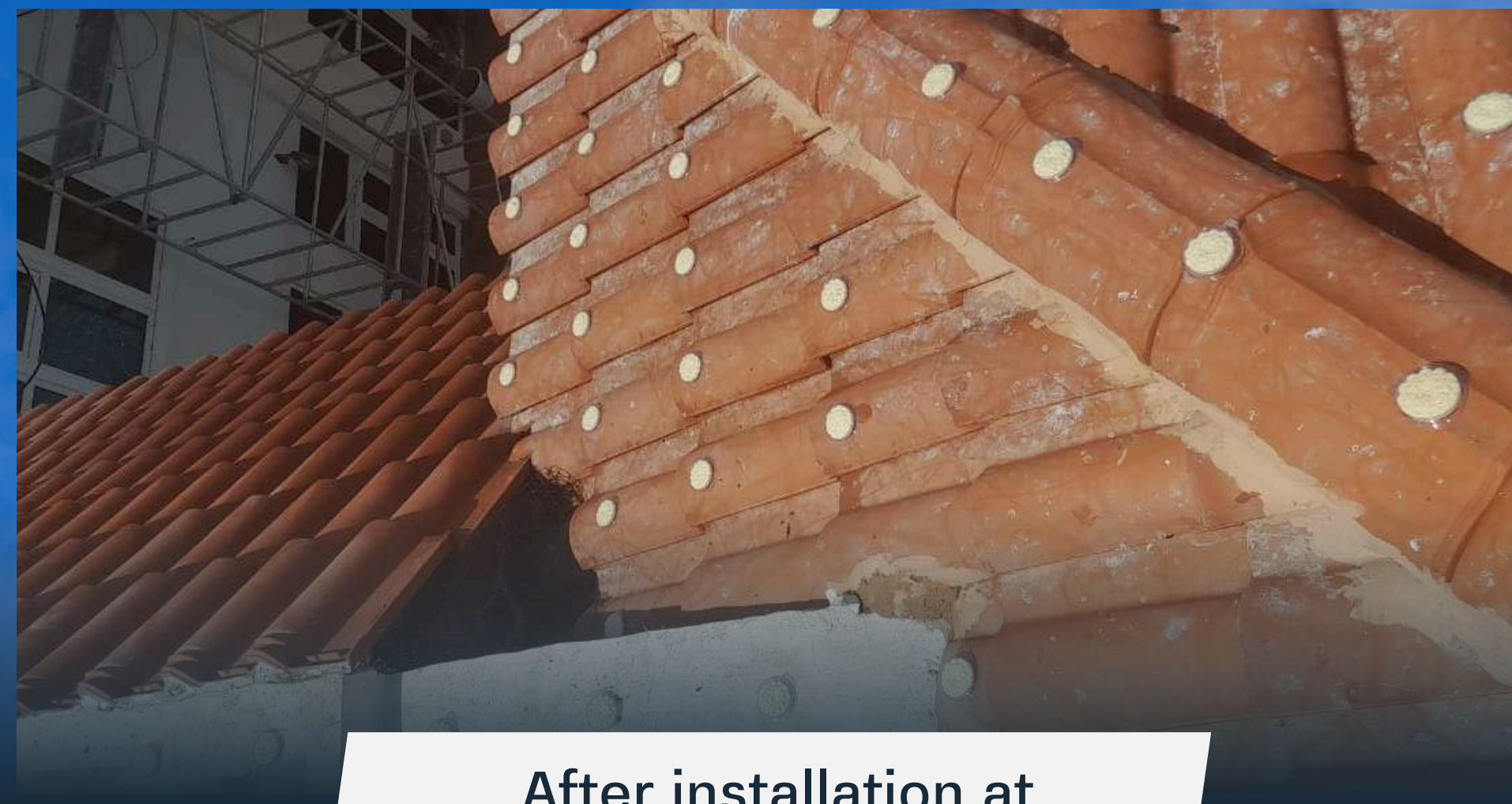
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Cases before and after the installation

UNITED ARAB EMIRATES



Before installation at
Private house in Dubai



After installation at
Private house in Dubai



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2023 SaiRen IEEE SA

IEEE Std 1264-2022
International Standard Registration

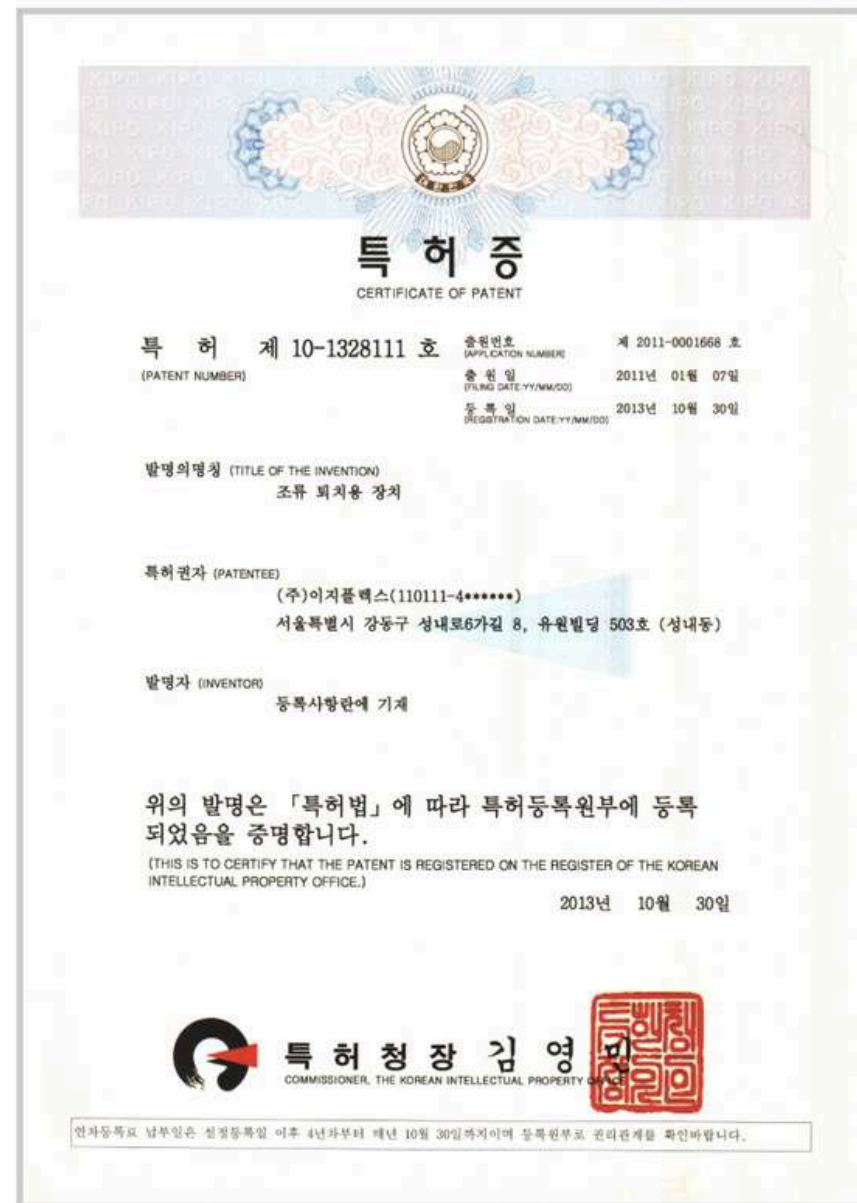


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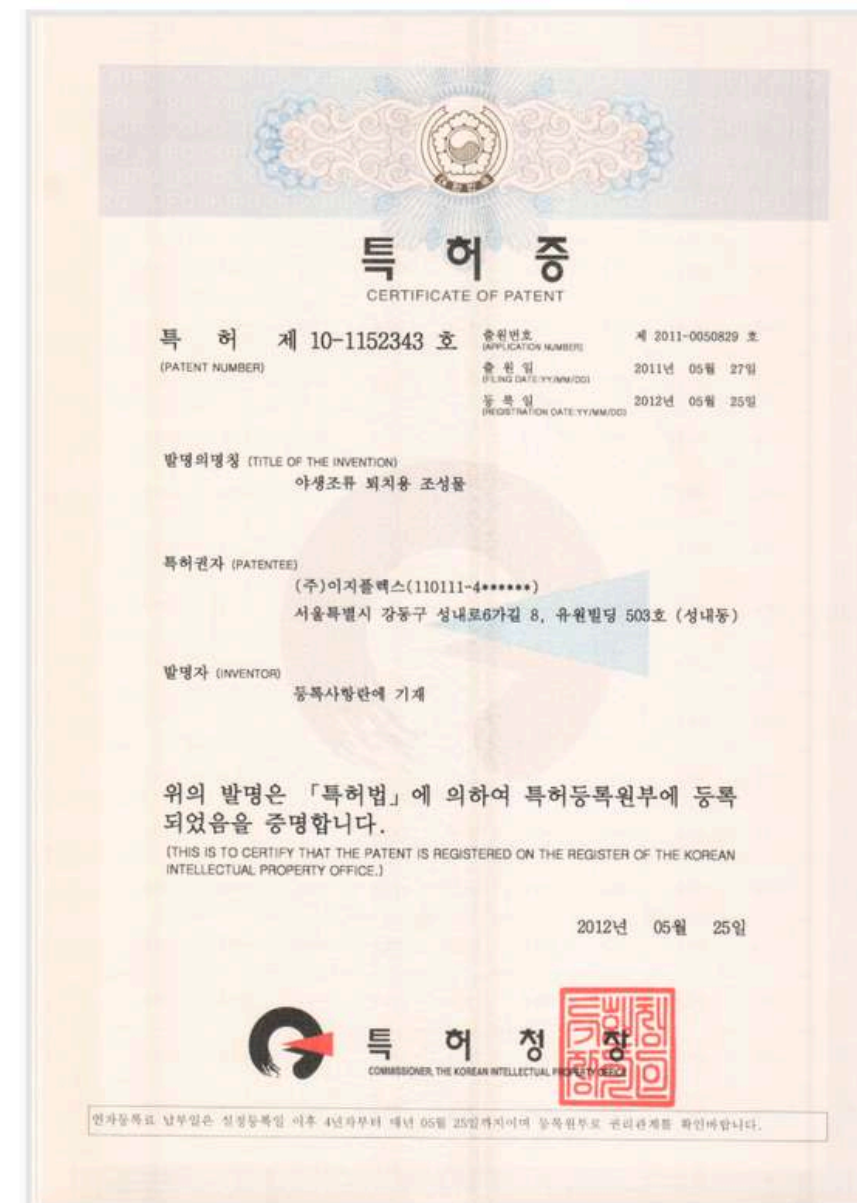
Certificate



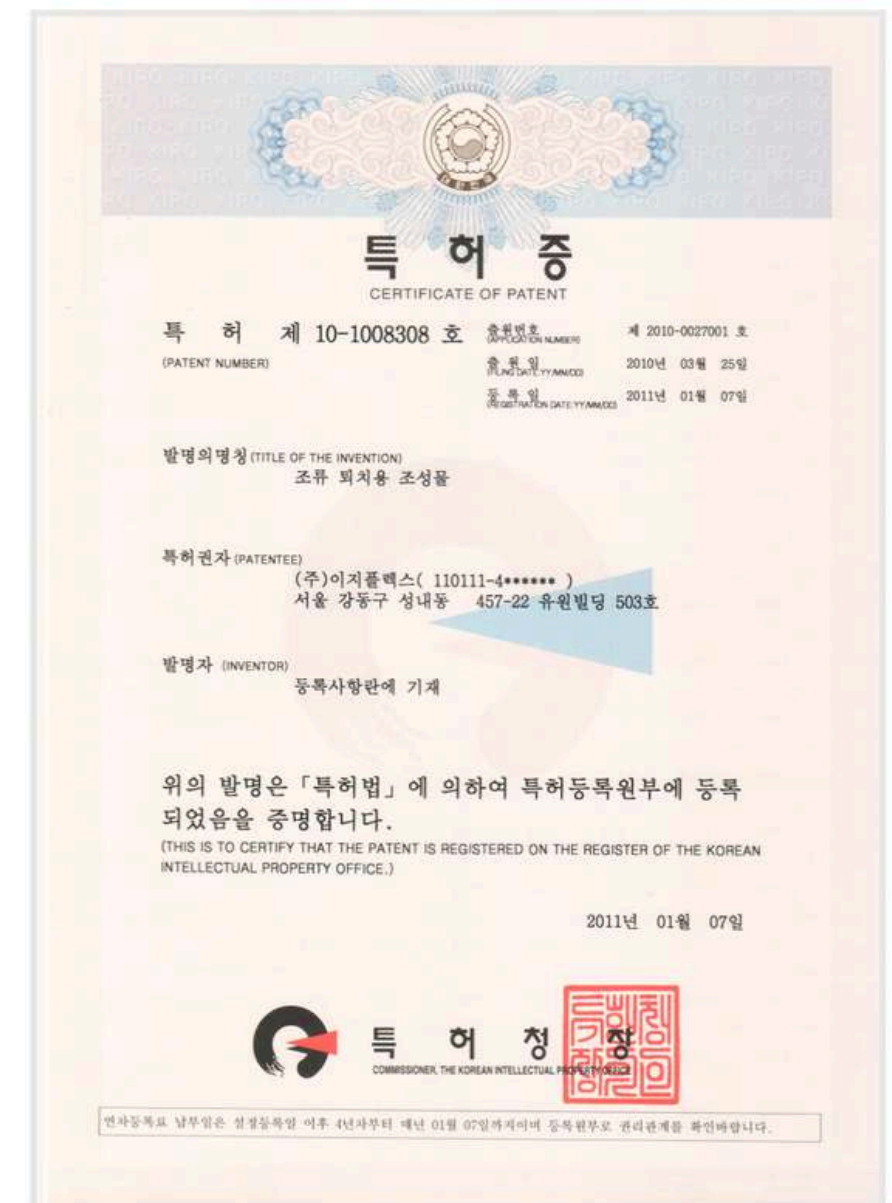
Patent for bird repellent filling device



Patent for bird repelling device



Patent for the composition
used for repelling wild birds



Patent for the composition
used for repelling birds

Certificate



the way to trust **KCL**

시험성적서

1. 성적서번호: CT12-40512
 2. 의뢰자
 ○ 업체명: (주)이지플렉스
 ○ 주소: 서울 강동구 성내동 457-22 유원빌딩 503호
 ○ 의뢰일자: 2012.08.20
 ○ 시험발급일: 2012.08.28
 3. 시험성적서의 용도: 거래처 제출
 4. 시료명: SaiRen
 5. 시험결과

- 첨부 페이지 참조 -

확인	작성자 성명 박선영	기술책임자 성명 조훈식
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한국건설생활환경시험연구원

본원 : 153-803 서울 강동구 가산동 459-28 02-2102-2500
 결과문의: 정밀화학분석센터 ☎02-2102-2688

첨 2 페이지 중 1 페이지 양식QP-20-01-05(1)

KCL Test score 1

the way to trust **KCL**

시험성적서

성적서번호: CT12-40512

시험항목	단위	시험결과	시험방법
납(Pb)	mg/kg	불검출(검출한계 5)	EPA 3052:1996 시험장비: ICP-OES
카드뮴(Cd)		불검출(검출한계 1)	EPA 3052:1996 시험장비: ICP-OES
셀레늄(Se)		불검출(검출한계 5)	EPA 3052:1996 시험장비: ICP-OES
6가 크로뮴(Cr(VI))		불검출(검출한계 1)	EPA 3060A:1996 UV-Vis. Spectrophotometer
시안		불검출(검출한계 0.01)	EPA 9012A:1996
Polychlorinated biphenyl(PCBs)	mg/kg	불검출(검출한계 1)	EPA 3540C:1996
Chlorobiphenyl		불검출(검출한계 1)	
Dichlorobiphenyl		불검출(검출한계 1)	
Trichlorobiphenyl		불검출(검출한계 1)	
Tetrachlorobiphenyl		불검출(검출한계 1)	
Pentachlorobiphenyl		불검출(검출한계 1)	
Hexachlorobiphenyl		불검출(검출한계 1)	
Heptachlorobiphenyl		불검출(검출한계 1)	
Octachlorobiphenyl		불검출(검출한계 1)	
Nonachlorobiphenyl		불검출(검출한계 1)	
Decachlorobiphenyl		불검출(검출한계 1)	

----- 이 하 여 백 -----

첨 2 페이지 중 2 페이지 양식QP-20-01-06(1)

KCL Test score 2

[공서번호: sexc-Vr1T-NBUV-KVOX] [발급일자: 2019년 02월 19일]

제 2015154637 호

연구개발전담부서 인정서

1. 전담부서명: 연구실
 [소속기업명: (주)이지플렉스]

2. 소재지: 경상남도 양산시 상북면 반회동5길 18-12

3. 신고 연월일: 2019년 02월 14일
 (최초인정일: 2015년 10월 2일)

과학기술정보통신부

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

2019년 2월19일
 한국산업기술진흥협회

한국산업기술진흥협회

R & D department certificate

품목별 원산지인증수출자 인증서
 CERTIFICATE OF PRODUCT-SPECIFIC APPROVED EXPORTER

○ 상 호 : (주)이지플렉스
 (Name of Company) (Ezflex Co., Ltd.)
 ○ 주 소 : 05400 서울특별시 강동구 성내로6가길 8 (성내동) 유원빌딩 503호
 (Address) (8, Seongnae-ro 6ga-gil, Gangdong-gu, Seoul, Republic of Korea)

○ 대 표 자 : 강보홍
 (Representative) (Kang Bo-Hong)
 ○ 인 증 번 호 (Customs Authorisation No.): 010-13-200350

원산지인증 품목내역(List of Certified Products)

품목번호(4단위) [HS No. (4-digit)]	자유무역협정 명 (Name of FTA)	인증유효기간 (Validity Period)
3808	한-EU	13-09-26-18-09-25
3808	한-아세안	16-03-16-21-03-15
3808	한-중국	16-03-16-21-03-15
3808	한-EU	18-10-16-23-10-15
3808	한-인도	19-06-07-24-06-06

위 업체를 「자유무역협정의 이행을 위한 관세법의 특례에 관한 법률」 제12조1항
 에 따라 품목별 원산지인증수출자로 인증합니다.
 We hereby certify that the above company is authorised as "Product-specific
 approved exporter" in accordance with Article 12.1 of 「The Act on Special
 Cases of the Customs Act for the Implementation of Free Trade Agreements」.

2019년06월07일
 (2019 / 06 / 07)

서울세관장
 Head of SEOUL Customs

1/3

Certificate of origin of ingredients



www.ezflex.co.kr

Thank you!

EZFLEX

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