

THE 121ST

KC NEWSLETTER

DATE OF ISSUE OCTOBER 2021

ISSUER KC GREENHOLDINGS SUSTAINABLE MANAGEMENT TEAM



Lodge Cottrell takes steps into the High Pressure Boiler Industry.



Lodge Cottrell Goes One Step Further this Year and Completes Two Major Outages at the same time



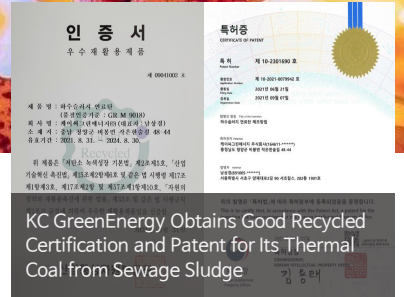
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2021년도 인적자원개발 우수기관 인증기업 명단

< 신규기업 >

인증번호	인증유료기간	산업개발명	대표자	직무지시
2021-36호	2021.09.18. ~ 2024.09.17	주대진	이명학	전남지사

< 재인증기업 >

Yuyang Technologies Is Given Certification of Best Human Resources Developer 2021	직무지시
	전남지사
	전남지사
	전남지사



KC Cottrell Holds the Safety Pledging Groundbreaking Ceremony for the Construction of the Environmental Equipment for Dangjin Coal-Fired Power Complex Units 1 to 4



KC EnviroServices Participates in Local Companies Sharing Warm Love in Changwon



[CSR] Is ESG Another Management Paradigm Trend?



[CSR] The Importance of Choosing Food to Preserve the Marine Ecosystem



[HR] Laws Banning Harassment in the Workplace Will Be Strengthened

Lodge Cottrell takes steps into the High Pressure Boiler Industry



2.25% Chrome Boiler Pipework



Boiler Headers and Superheater panel being lowered into place



High Pressure Steam Pipework



Inside the Boiler removing and fitting 2.25% Chrome boiler Tubes



High Pressure Pipework from the Boiler



Preparation of Superheater Tubes



Over the last 18 months Lodge Cottrell have been undertaking some major changes in our work ethics away from our normal APC and general maintenance business into the High Pressure Boiler installation and maintenance industry. With the full backing of our MD, Kevin Bridgewater, the Construction team under the leadership of Mark Ramsdale, and Gary Parker, Quality Control, we have made some great and successful in-roads into this field of work.

168mm High Pressure steam Pipe Fully TIG welded and NDT Tested

The first step was producing the all-important Pipe Welding Procedures covering 2.25% Chrome, Stainless Steel, 2.25% Chrome to Stainless Steel and the normal Carbon Steel in various sizes and thicknesses. Next, Pressure Welders - testing of welders to ensure they can meet the tough and stringent welding requirements that boiler work requires. Finally, proving to the industry that Lodge mean business and can deliver this type of work on a competitive and quality basis. Using contacts and people within the industry we undertook our first small boiler outage last year at FCC Nottingham.

During a successful outage we had to demonstrate we had not only the skills and manpower but also the quality control and full traceability of materials, welding and quality systems required for boiler work. Following this, tough negotiations took place with the outcome of undertaking this year's outage and a 5-year agreement. Adding to this we also secured several projects for 2-G Energy to fabricate and install package boiler pipework in various materials, another first for Lodge. Again, this proved to be another success with the client wanting us to undertake further Boiler project work for them at several other sites. Where next? Well, more of the same and maybe a full Boiler installation package as the main contractor. (End)

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INQUIRIES : yuseung@green-kc.com

KC GreenHoldings 

Lodge Cottrell Goes One Step Further this Year and Completes Two Major Outages at the same time



The Construction team along with Parc Adfer’s Outage Manager in the forefront At Parc Adfer Waste to Energy plant in Flint, Wales under the control of Brian Beck, Construction Engineer, one section of the Construction team carried out an intense two-week outage undertaking remedial rework and inspections to the chain conveyors, drag link conveyors, bucket elevator and screw conveyors. They also picked up extra work at the same time due to the quality of work and quality of manpower. This was our first major outage at this site, a great achievement for the Construction team, resulting in the client emailing Brian a big thanks for the work carried out.

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Welding Superheater Tubes



The other outage at FCC Nottingham, under the control of Mark Ramsdale, Construction Manager, was an intense four-week outage to completely replace boiler panels which had not been replaced before, boiler tubes, superheater tubes, fans, soot blowers, boiler drum internals ID Fan and damper, new support steelwork and platforms. Replacing of the boiler panels was a major feat as the roof of the Waste to Energy plant had to be removed and the outer concrete shell of the boiler panels removed. Sectioned panels were cut out then removed by crane and the new sectioned panels lowered into place before the headers and boiler tubes could be welded into place. All headers and boiler tubes were fully NDT tested and also hydrotested and signed -off. The result was that the station was back in service one day early and generating burning waste. (End)

Drag Link Conveyor Inspection



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KC EnviroServices Holds a Business Agreement Ceremony with the National Forestry Cooperative Federation

August 5, 2021



On Aug. 5th, KC EnviroServices (Seongju Biochips) held a business agreement ceremony with the Seoul, Incheon, and Gyeonggi Headquarters of the National Forestry Cooperative Federation.

Representing the two companies at the ceremony were Hanbum Lee, the director of the Seoul, Incheon, and Gyeonggi Headquarters of the National Forestry Cooperative Federation; Dong Ho Back, the CEO of KC EnviroServices; and Kwangkyu Han, the CEO of Seongju Biochips.

This agreement was aimed to satisfy the requirements of the government's policy by increasing the added value through using unused forest biomass and to recover raw material generated from what was developed and felled. The National Forestry Cooperative Federation decided to provide KC EnviroServices (Seongju Biochips) with unused forests that are generated from forest projects that are in the works so that KC EnviroServices can use the unused products to convert into electric generator fuel.

It's expected that KC EnviroServices will use the forest resources to contribute to the development of its green energy project. Moreover, it also aims to create forestry jobs and boost the local economy through promoting the unused forest biomass industry based on mutual respect and trust of the two organizations. (End)

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KC GreenHoldings



Seongju Biochips Holds an Opening Ceremony for Its Plant

August 6, 2021



On August 6th, Seongju Biochips completed an extension of its waste recycling plant (total area of the building: 927.3 m³) in the area of its headquarters and initiated the use of its facilities.

The plan is to bring in eleven kinds of waste from waste wood that can be used for recycling such as forest tree waste by using the new extension, in order to process and produce 100 tons per day (50 tons of Bio-SRF and 50 tons of wood chips) to supply businesses such as power plants, cement factories, and paper-manufacturing companies. In addition, Seongju Biochips's Cheongju plant is set to supply unused forest biomass to power plants and will construct equipment that can produce 200 tons or more per day by the end of October.

Seongju Biochips plans to achieve at least 10 billion won (about 8.4 million USD) in sales in 2022 when full-fledged operations of the equipment will occur. (End)

KC GreenHoldings Publishes the 2021 Sustainability Report

September 1, 2021



△ Click the image to go directly to the 2021 Sustainability Report

KC GreenHoldings published its Sustainability Report on Sep. 1st that includes the result of its sustainability management activities last year and KC's responses to environmental issues.

This report explains that waste from everyday life has increased due to the unprecedented pandemic, and reports especially on how that topic is important to KC, an environmental company, and how it is responding and making efforts to solve that issue. Additionally, it also reports in detail about the sustainability management activities and results of KC GreenHoldings and other companies in the KC Network for 2020.

The 2021 Sustainability Report is created using a technique called the interactive technique which has been used for three years straight to allow users to read conveniently and intuitively through tablet PCs, laptops, mobile devices, and other devices. It was published while minimizing printed matter to benefit the environment. KC GreenHoldings's Sustainability Report can be read by downloading it from the homepage. (End)

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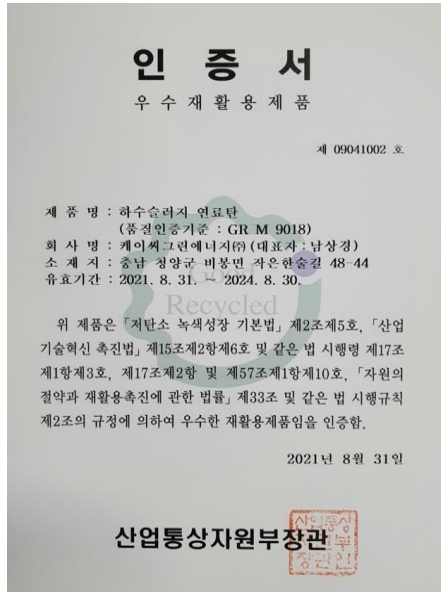
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KC GreenHoldings

KC GreenEnergy Obtains Good Recycled Certification and Patent for Its Thermal Coal from Sewage Sludge

August 31, 2021



KC GreenEnergy is continuously developing thermal coal of excellent quality by recycling sewage sludge, which is a public waste resource. As a result of persistent effort from employees, the company was able to obtain the Good Recycled certification in Aug. 2021, and a patent for the manufacturing method of thermal coal from sewage sludge in Sep. 2021.

The Good Recycled certification (GR) is a certification granted to recycled products that are excellent and which the government has recognized for its quality and environmentally-friendliness among other merits. Through this certification, the thermal coal that KC GreenEnergy produces has qualified as a product that public institutions may be obligated to purchase due to the Act on the Promotion of Purchase of Green Products.

Additionally, KC GreenEnergy developed and registered two patents including the method to manufacture thermal coal from sewage sludge, establishing itself as a worthy company that produces thermal coal from sewage sludge by developing an independent process.

By securing stable quality and production capacity, KC GreenEnergy delivered 5,500 tons of thermal coal from sewage sludge to the Korea East-West Power's Dangjin Coal-Fired Power Complex in the first half of 2021 and plans to deliver 8,500 tons in the second half of 2021. KC GreenEnergy recycles sewage sludge, which is a public waste resource, in a more eco-friendly way, and is doing its utmost to secure good quality and reduce odors. It is expected that through its new Good Recycled certification and registration of the patents, it will develop into a leading company that recycles sewage sludge. (End)

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September 7, 2021

2021년도 인적자원개발 우수기관 인증기업 명단

< 신규기업 >

인증번호	인증유효기간	신청기관명	대표자	지부지사
2021-36호	2021.09.18. ~ 2024.09.17	(주)대진	이명학	전남지사

< 재인증기업 >

연번	인증유효기간	신청기관명	대표자	지부지사
2021-63호	2021.09.18. ~ 2024.09.17	중앙전력주식회사	손수영	전남지사
2021-64호	2021.09.18. ~ 2024.09.17	주식회사씨엘테크	임승욱	전남지사
2021-65호	2021.09.18. ~ 2024.09.17	유양기술주식회사	김태우	전남지사

전 국민의 평생교육 역량을 키우는 No.1 HRD 파트너

HRD-K 한국산업인력공단 전 남지사

수신자 수신자참조
(경 유)

제 목 2021년 인적자원개발 우수기관 인증 결과 안내

1. 직업능력개발 사업에 관심을 갖어주셔서 감사드리며, 귀 기업의 발전을 기원합니다.

2. 2021년 인적자원개발 우수기관 인증심사 결과 최종 인증기관으로 결정되었으나, 「수도권 거리두기 4단계 및 비수도권 거리두기 3단계」로 **인증수여식을 신규기업 대상으로 제한하여 개최합니다.**

3. 이에, 재인증 및 신규(발령) 기업 대상으로 자체 인증수여식을 예정하고 있으며 추후 확정된 일정으로 다시한번 안내드리겠습니다.

붙임 : 2021년 인적자원개발 우수기관 인증 명단 1부, 끝.

한국산업인력공단 전 남지사장

수신자 중앙전력주식회사, 주식회사씨엘테크, 유양기술주식회사

★대리 주축 부장 (주)대진

참조자

서명 전남지식인력개발과장(2021.09.07.) 송수 ()

주 07068 - 중앙남도 순천시 순풍로 352 / http://www.hrddk.or.kr/

전화 061-723-0328 / 팩스 061-724-2170 / 전자메일 ddah@hrddk.or.kr / 비공문(전)

업무처리사항에 대한 이의가 있을 경우 업무담당자에게 전화 또는 문자로 이의를 제기할 수 있습니다.

업무관련 비위사실 신고 : 공단 감사(전화 : 052-714-6533, 인터넷 : 공단홈페이지, 고지함내-부정비리신고)

On Sep. 7th, Yuyang Technologies was given the certification of Best Human Resources Developer 2021 by the Ministry of Employment and Labor and the Human Resources Development Service of Korea.

The Best Human Resources Developer certification system is a system where the government certifies organizations that are good at human resources development and management by using practices such as hiring and managing employees based on their abilities and providing constant opportunities to employees for training while they are working for the organization. Four companies including Yuyang Technologies were given the Best Human Resources Developer certification in the South Jeolla Province.

Yuyang Technologies has successively been given the Best Human Resources Developer certification four times, first in 2012, then in 2015, 2018, and 2021.

The Best Human Resources Developer certification is valid for the next three years and gives various benefits such as being able to use the certificate, plaque, and logo that are jointly issued by the Ministry of Employment and Labor, the Ministry of Education, the Ministry of Trade, Industry and Energy, and the Ministry of SMEs and Startups for three years. It also gives the benefit of being promoted through the publishing of the best practices casebook, the media, and other methods, and the recipient is exempt from periodic labor inspections for three years. (End)

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KC GreenHoldings

KC Cottrell Holds the Safety Pledging Groundbreaking Ceremony for the Construction of the Environmental Equipment for Dangjin Coal-Fired Power Complex Units 1 to 4

September 10, 2021



On Sep. 10th, 2021, KC Cottrell held the Safety Pledging Groundbreaking Ceremony with Korea East-West Power Co., Ltd. for the environmental equipment project for Dangjin Coal-Fired Power Complex Units 1 to 4.

At the aforementioned groundbreaking ceremony, only essential attendees including KC Cottrell president Jongkyoo Kim, Korea East-West Power's vice-president Seunghyun Lee, director of power generation Hoonhee Kim, director of Dangjin Power Generation Headquarters Changyeol Lee, Doosan Heavy Industries & Construction business unit chief Heejik Lee, and Hyundai Heavy Industries Power Systems president Osik Kwon were present to adhere to epidemic prevention guidelines.



At the groundbreaking ceremony, KC Cottrell president Jongkyoo Kim stated that, "There has been increased interest from society about safety, and as you can see with how we named this groundbreaking ceremony as the 'Safety Pledging Groundbreaking Ceremony,' the three suppliers are going to focus on safety competency for this project based on numerous environmental equipment supply experiences, and are going to achieve having no accidents to become an exemplary case of safety."

The aforementioned project is a project to satisfy the requirements for the energy policy from the government and local government that is centered around "eco-friendliness, safety, and the value of life," by reducing the fine dust emission from coal-fired power plants and responding preemptively to the tightened regulation standards for air pollution.

The three suppliers—Doosan Heavy Industries & Construction, Hyundai Heavy Industries Power Systems, and KC Cottrell—have abundant experience and technical skills, and it is expected that they will create synergy through communication which will help Korea East-West Power construct an eco-friendly power plant and plan a sustainable coal-fired power generation business. (End)

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KC GreenHoldings



KC EnviroServices Participates in Local Companies Sharing Warm Love in Changwon

September 13, 2021



KC EnviroServices has been continuing to participate in "Local Companies Sharing Warm Love" since 2014, and proceeded with the "2021 Local Companies Sharing Warm Love" despite the difficult circumstances due to COVID-19.

On Sep. 13th, at the Changwon Division of KC EnviroServices, the company donated 3 million won (about 2,500 USD) to teenagers from low-income families through the South Gyeongsang chapter of the Community Chest of Korea.

An official from KC EnviroServices stated, "I hope my neighbors in this region can have a good Chuseok with this donation, and I also hope that this will provide some help in fostering capable people in this region." He added, "KC EnviroServices will continue to participate in a sharing culture." (End)

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[CSR] Is ESG Another Management Paradigm Trend?

There's one word that's been frequently heard in the past few years, especially this year. And that's ESG. If you feel a sense of déjà vu when hearing this word, it's likely because of terms like social contribution, CSV, and CSR. Then what exactly is ESG and how is ESG different from CSR and CSV?

To begin with, ESG (environmental, social, and governance) management is when companies decide on governance that doesn't hurt the environment or society and is the same as sustainability management. On the other hand, social contribution, CSR, and CSV are a little different. To be exact, ESG is a more comprehensive concept than a company's social contribution, CSV, or CSR.

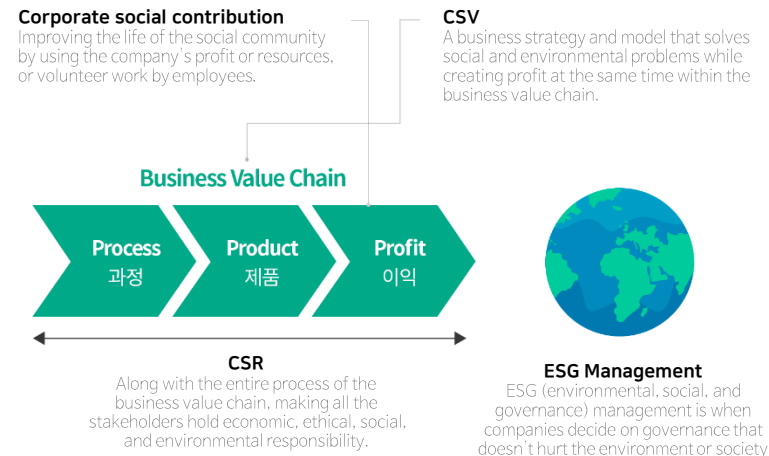
Social contribution, CSV, and CSR used to be a trend for companies at one point, but ESG (or sustainability management) management cannot be seen as a passing trend like CSV or CSR activities. That's because although the word has changed and the scope has been expanded, a company's social responsibility is something that has been continuously emphasized since the use of the word social contribution or even before that, and has developed until now, leading to the emergence of the term "ESG management." We can no longer hope for this to pass like how delivering coal briquettes during the year-end holiday season did.

That's because ESG management isn't a trend but is the current tendency of things. (End)

Corporate social contribution : Improving the life of the social community by using the company's profit or resources, or volunteer work by employees.

CSV(Creating Shared Value) : A business strategy and model that solves social and environmental problems while creating profit at the same time within the business value chain.

CSR(Corporate Social Responsibility) : Along with the entire process of The business value chain, making all the stakeholders hold economic, ethical, social, and environmental responsibility.



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> [CSR] Is ESG Another Management Paradigm Trend?

[CSR] The Importance of Choosing Food to Preserve the Marine Ecosystem

[HR] Laws Banning Harassment in the Workplace Will Be Strengthened



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KC GreenHoldings



[CSR] The Importance of Choosing Food to Preserve the Marine Ecosystem

There are some foods that are known to be tasty or good for one's health but are actually upsetting the balance of the ecosystem, and this is especially the case with sea creatures. How vulnerably exposed are we to unsustainable fishing and commerce?

People think of "bullet squids," which are called that way because they look like bullets, as a type of fish species that is seafood, and it is popular for its delicious taste. However, bullet squids are actually baby squids. As the number of squids caught dramatically decreased due to the popularity of bullet squids, the government banned its capture.

Another example is krill oil, which is known to be good for your health and dieting. Krill oil refers to oil extracted from krill which live in the Antarctic Ocean. Krill, which is in the very bottom of the food chain, is the main food source for whales, penguins, seals, seabirds, and most other animals that live in Antarctica. Therefore, it is an important creature that cannot be missing from the Antarctic ecosystem. Additionally, the Ministry of Food and Drug Safety advised that people not be deceived by false and exaggerated advertisements because krill oil is a general food item and not health functional food.

We need to check the information of food that we eat to preserve the ecosystem. This is so that we can check if that food is the juvenile of a species or if we're making an excessive choice despite there being a suitable alternative. According to the documentary Seaspiracy, if current fishing practices continue, the oceans will be empty by 2048. What we can do is to make demands trend in the right direction for upright fishing. It's time to choose food that's acceptable and right starting from today. (End)



(Photo | Channel A News field camera - overfished baby squids that are made more palatable by calling them "bullets" are still being distributed| Screenshot)



(Photo | YouTube trailer of Netflix's Seaspiracy| Screenshot)

KC NEWSLETTER

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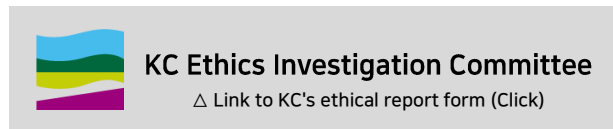


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[HR] Laws Banning Harassment in the Workplace Will Be Strengthened



The ban on workplace harassment which went into effect on July 16th, 2019, is part of the Labor Standards Act and was established to eradicate "acts in which the employer or the worker uses their superior position regarding their status, relationship, or other factors in the workplace to cause physical or mental pain to another worker or worsen the working environment in a way that exceeds the scope of what's acceptable for work."

To strengthen the effectiveness of the policy, restrictions concerning the violation of duty have been established on the ban on workplace harassment starting from October 14th. (The second paragraph of Article 76-3 of the Labor Standards Act)

First, it is stipulated that if harassment occurs in the workplace, there is an obligation to conduct an "objective" investigation into the report that harassment occurred in the employer's workplace, and the target of the investigation has been specified as the person concerned and others (such as the worker who is the victim of the harassment, the harasser, and witnesses).

Second, "an obligation to prohibit divulgence of classified information" has been established, which means that the person investigating the harassment in the workplace, the person who received the report of this investigation, and other people who participated in the investigation process cannot divulge the classified information they have found out through the investigation to other people against the will of the victimized worker or others. (A fine of five million won [about 4,200 USD] or less must be paid if paragraph 7 of Article 76-3 of Labor Standards Act is violated.)

Third, if the employer or a relative of the employer is the perpetrator of the workplace harassment, a policy was established stating that a fine of 10 million won or less (about 7,400 USD) must be paid. (The first paragraph of Article 116 of the Labor Standards Act)

To achieve an organizational culture of mutual respect and to create a sustainable KC, KC GreenHoldings set up the "KC Ethics Investigation Committee" in Sep. 2020, which is a company-wide integrated organization to report to and is for devising proactive solutions and measures to resolve unethical problems such as harassment in the workplace including infringement of gender rights should they occur.

KC GreenHoldings and KC Network companies plan to not overlook unethical issues including harassment in the workplace should they occur, and will continue to make efforts to proactively resolve them. (End)

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