



# Renewable Energy Markets™ Asia Awards 2023

Renewable Energy Markets™ Asia 2023 | 27 April 2023

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# Allotrope Partners



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**QUEZELCO IV**

**TEAMING AGREEMENT**  
between  
**QUEZELCO II**  
and  
**Allotrope Partners/  
Kapuluhan Renewables**  
FEBRUARY 7, 2023



ALLOTTROPE PARTNERS/  
KAPULUHAN RENEWABLES

ANNIE A. MOISES  
QUEZELCO II, SOO President

KAPULUHAN RENEWABLES  
ALLOTTROPE PARTNERS

ALLOTTROPE PARTNERS/  
KAPULUHAN RENEWABLES

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KAPULUHAN RENEWABLES  
QUEZELCO II  
TEAMING AGREEMENT

ANNIE A. MOISES  
QUEZELCO II, SOO President

# allotropes

PARTNERS



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# AT&S (China)



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**AT&S**



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# AirTrunk



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# CLP Power Hong Kong Limited



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The WE Station at the West New Territories (WENT) Landfill at Nim Wan in Tuen Mun – Hong Kong’s largest facility using landfill gas for electricity generation installed by CLP Power and to which the AirTrunk solution will be linked.

CLP 中電



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# Microsoft



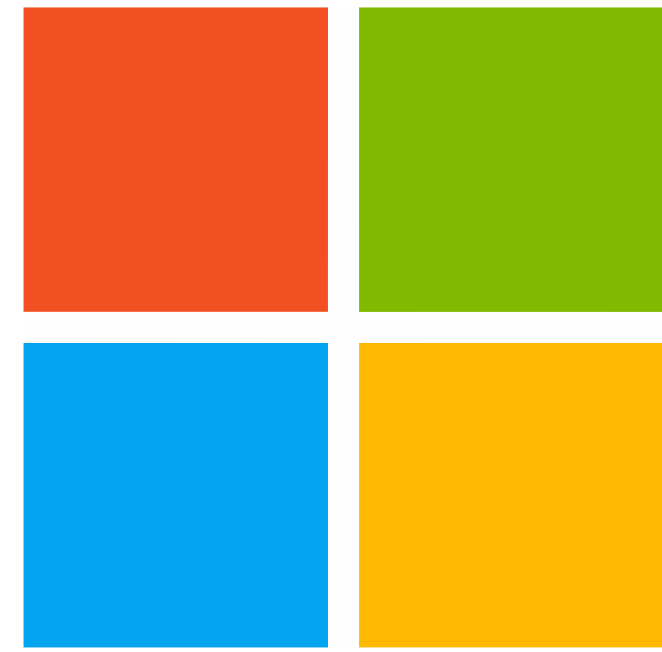
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Microsoft

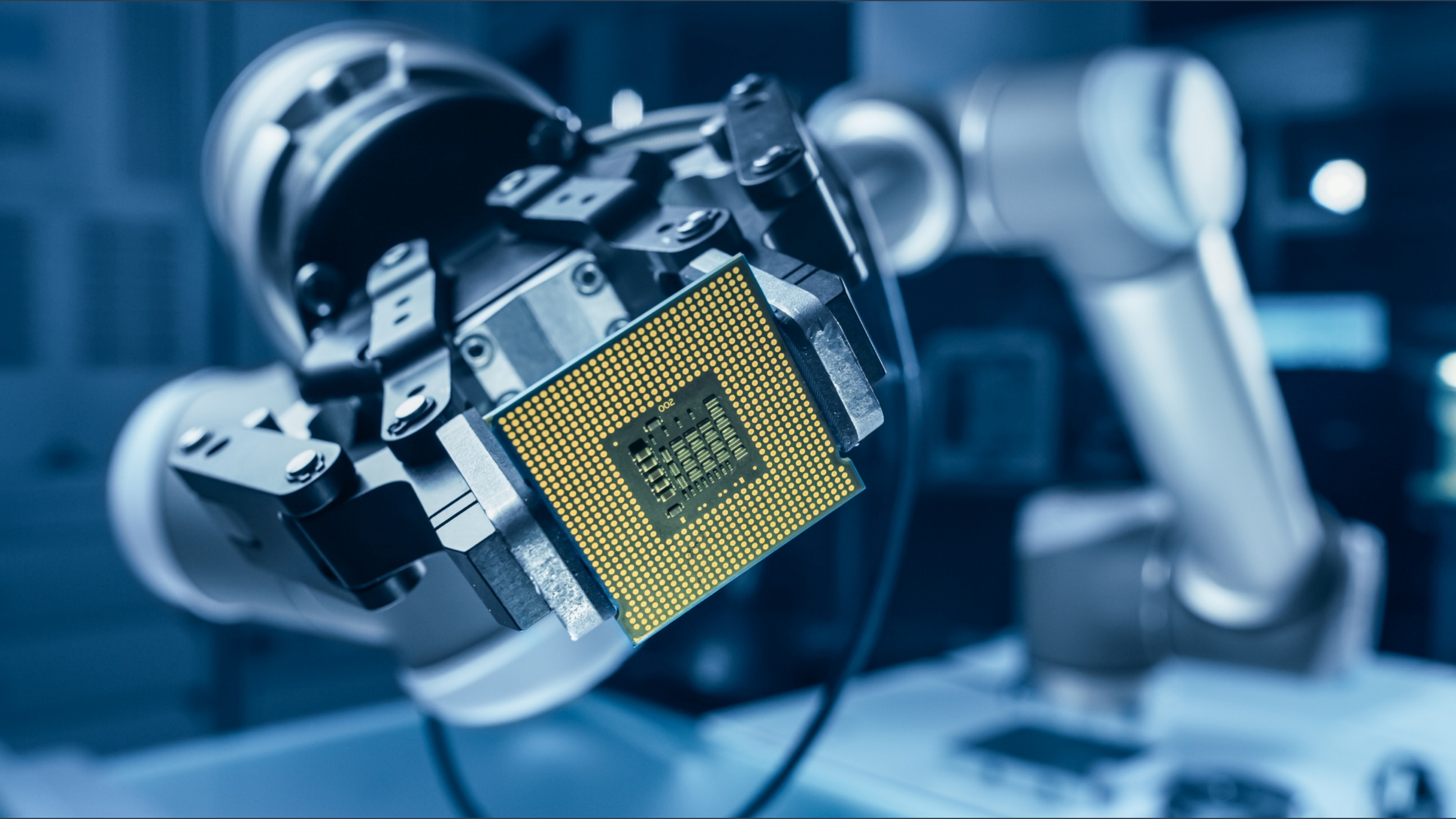


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# Jabil







```
string str; encoded_string; int shift;
cout << "Encoding message for Caesar cipher\n";
cout << "message: ";
getline(cin, str);
cout << "\nlow message";
cin >> shift;
while (shift < 1)
{
    cout << "Enter number: \n";
    cin >> shift;
}
string encoded_string;
cout << "\nEncoded message: " << encoded_string << "\n";
system("PAUSE");
return 0;
}

string encodeSecurityCipher(string str, int shift)
{
    string temp = str;
    int length;
    length = (int)temp.length();
    for (int i = 0; i < length; i++)
```



Robots all have some kind of mechanical construction, a frame, form or shape designed to achieve a particular task. For example, a robot designed to travel across heavy dirt or sand, might use caterpillar tracks. The mechanical aspect is merely the creator's solution to completing the assigned task and dealing with the physical characteristics of the environment around it.

Robots have electrical components which power and control the mechanical parts. A robot with caterpillar tracks would have a motor to rotate the tracks. The electrical system in the form of electricity, which will have to travel through wires and components from a battery, solar panel or from a power plant to the robot's motor.

Some robots have sensors which are electrical circuits that detect the environment. These sensors can be used to detect the presence of objects, light, sound, heat, etc. The information from these sensors is used to control the robot's movement and actions.

All robots contain some level of computer programming code. A program is like a robot's brain. It tells the robot what to do, when to do it, and how to do it. A robot without a program is like a car without an engine. It may look like it can move, but it won't.

Robots can be controlled in several ways. Some are controlled by a human operator, some by a computer, and some by a combination of the two. The way a robot is controlled depends on its design and the tasks it is intended to perform.

Artificial intelligence (AI) is a branch of computer science that deals with the creation of intelligent machines that can think and learn like humans. AI is used in many different applications, including robotics, where it can be used to create robots that can perform tasks that would be difficult or impossible for a human to do.

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In the conceptual track, a robot that needs to learn a task, it will have to be trained. Programs are the core essence of a robot. It could have mechanical construction, but if its program is poorly constructed by performance will be very poor (or it may not perform at all). There are three different types of robotic programs.

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JABIL



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# Kingwhale Corporation



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**KINGWHALE**



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# Meta



# Driving toward a net zero value chain.



Meta is committed to addressing GHG emissions across our global operations, value chain and beyond. This is the most

direct way we can tackle climate change—the single largest threat to the well-being of people, the environment and businesses alike. A better reality will not

truly be possible unless we, our partners and our suppliers work together to strategically reduce GHG emissions.

## ENERGY

# Meta is one of the largest corporate buyers of renewable energy.

We are driving the transition to renewable energy in our communities by selecting projects that are on the same electricity grids as our data centers. At the end of 2021, Meta had contracts in place

for more than 7,500 megawatts (MW) of solar and wind energy across our global portfolio. Of that, over 4,900 MW of new renewable energy is now operating.



4,900 MW is enough to power 3.6 million U.S. homes.



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# Thank You Awards Committee

**Valerie Choy, AWS**

**Tae-han Kim, KoSIF**

**Raoul Kubitschek, NIRAS**

**Jennifer Martin, CRS**

**Blair Swezey, Swezey Energy Consulting**

**Vinod Tiwari, Powerledger**



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