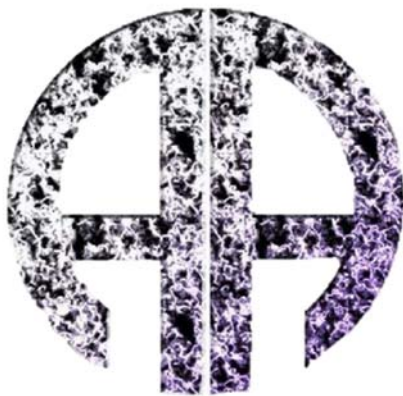


COMPANY PROFILE

Updated 2022-07-25



“Bux Engineering is an engineering bureau dedicated to starting and supporting small and medium industries. Our ambition is to create long term and environmental responsible industries for the Surinamese, Guyanese and Caribbean population.”



Bux Engineering

HAZMATSU

Hazardous Materials Services & Utility

Our Services

Agricultural Production

Bux Engineering has more than 6 years of experience in growing and exporting different crop types. In 2016 Bux Engineering started with an Aquaponic installation. We harvested crops there such as tayer leaf, soup vegetables etc. Bux Engineering can also help analyse, theorize and improve the **quality** of healthy food. Bux Engineering can help a small farmer step by step or a major farming corporation to industrialize and modernize.



HAZMATSU

Hazardous Materials Services & Utility

When it comes to handling, storage and disposal of dangerous chemicals and substances, Hazmatsu brings the solutions. Hazardous waste is an unavoidable by-product of industrial development. Some of this waste is toxic and detrimental to the environment. Hazmatsu holds itself to the highest environmental and safety standards, equal to the ADR-15(Europe) and NIOSH(USA)

HAZMAT Training:

For bus engineering it is very important that all our personnel are trained and certified before they go on the field. during the training the staff is taught everything about PPE, safety, spill response and first aid.

Hamzat training A is the training for handling explosives and R4 chemicals.

Hazmat Training B is the training for handling R3 chemicals.



Products & Personal protective Equipment:

- HAZMATSU provides Emergency Spill Response Packages (Spill Kits) from 5 to 200 litre, Complete with absorber, PPE and clean-up tools.
- Bux Engineering can source PPE directly. Everything from regular working attire to full HAZMAT suites can be purchased and delivered on a regular basis. As an added service, HAZMATSU provides PPE maintenance for any buyer. Proper PPE maintenance improves hygiene and usability of any item.
- HAZMATSU also provides safety documentation, custom guidelines and warning signs.

Hazardous materials disposal

Not all chemicals can be stored and disposed of in an equal manner. Some can be extremely dangerous to humans and destructive to our environment. Hazmatsu can help design storage bunkers and warehouses or help you dispose of excess chemicals in a safe way. Depending on the chemicals, their quantity and quality of storage, methods can be devised to neutralize the dangers or destroy the chemicals entirely. Not all chemical waste types can be treated. *Handling explosive and radioactive waste materials requires complete oversight of the NCCR.

Processing and destruction method

A= Dilution

Non-metallic and biodegradable chemicals with little to no toxic properties can be (further) diluted and discharged into a flowing body of water. Such as river, canal or ocean. Biologically accumulating substances must not be discharged. Dilution is often a final step in Chemical, Neutralization or Encapsulation processes.

B=Bioremediation

A process that enables natural processes to "compost" away chemical waste. HAZMATSU operates a Bio remediation site for bio-degradable industrial waste. Bioremediation can take up anywhere from 4 weeks to 6 months depending on the quantity and quality of the chemical waste. Currently the following chemical compound types can be bio-remediated:

- Liquid Oils & Grease/Hydrocarbons/Oil rags
- Aromatic Hydrocarbons
- Activated Carbon(contaminated)

C= Chemical Processing

For chemical processing to be safe and effective, it is necessary to know exactly what the material to be destroyed consists of. There is a different processing / method for each substance. Chemical processing is sometimes complicated and takes a lot of preparation time and material. Other chemicals are always needed to process the waste and the end product is sometimes also considered chemical waste, although less hazardous or more process able.

D= Acid/Base Neutralization

Commonly used as industrial cleaning agents in the food and production sector. Reactive effluent or outdated stock need to be neutralized before discharge. The end products are often neutral or common basic compounds. All non-metallic acids and bases can be treated.

E=

F= Mechanical, Encapsulation & Recycling

Waste that is part of, or attached to other non-chemical or non-hazardous material or parts. These compound waste substances are broken down into recyclable and processable parts. The recyclable materials are handed over for recycling, reusable parts are reused and the remaining waste is then further processed on the basis of methods; A, B, C, D and E. What remains are then encapsulated within concrete.