

Weather or not — the job gets done

Dehumidification Technologies Inc.

You have to control before you can take control — and Dehumidification Technologies Inc. (DH Tech) can control any drying situation.

DH Tech offers rental and sales of desiccant and refrigerant dehumidifiers. Rentals are available on a short-term or long-term basis. The company has a large variance of dehumidification equipment (200 cfm to 20,000 cfm) as well as heaters and cooling coils to complement its fleet.

Unsurpassed knowledge, expertise and innovative techniques ensure successful projects for DH Tech's customers. In addition, the company's combined systems create optimum environments for specific projects.

With DH Tech, drying is not a "blowing in the wind" situation. The use of precise psychrometrics, material density data and the known effects of ambient conditions, enables DH Tech to take command of any project.

Personnel

Ken Armstrong, Brian Battle, and Rusty Burch have more than 37 years' experience in industry. The three are known as the best in the industry.

Armstrong is actually one of the founders of the dehumidification business. In the blasting and coating industry, he has shared his expertise by authoring NACE and SSPC technical papers.

Battle has written specifications for using dehumidification during blasting and painting for petrochemical and municipal-based engineers.

Burch designed the equipment for the largest steel water tank in North America, and is recognized as one of the most knowledgeable in desiccant dehumidification equipment.

Dependable service

DH Tech will set up the equipment at the project site to ensure that proper power supply and air movement calculations are correct along with daily consultations and monitoring, if needed, until the job is completed.

The company also offers reliable 24-hour-a-day, seven-day-a-week service.

DH Tech has provided dehumidifiers and heaters for Industrial Specialists' tank coating jobs. Larry Povse, corrosion manager for the company, said he chose DH Tech because of its wide range of equipment and outstanding service.

"I had worked with Brian Battle

before, and I chose to work with DH Tech because of his knowledge of the equipment and ability to get it out on the job site in a timely manner," Povse said. "He also follows up with phone calls to make sure everything is as it should be. I would recommend DH Tech."

When preparing surfaces for tank coatings, humidity control is crucial.

"If you don't have the right equipment after you blast the surface, the humidity in the air turns the blast — losing the blast profile that you need. The manufacturer of the materials we use for coatings requires a certain blast profile (considered near white or white). If we don't have this equipment, it's very costly," Povse said.

Create your own environment

DH Tech's temporary humidity and temperature control division includes equipment that can be used for many industrial applications such as tank coating or repairing, catalyst removal, vessel cooling, clean rooms, and more.

Instead of the daily blast-then-coat cycle contractors have the option of using dehumidifiers to dry the air in a tank before blasting and coating. Now a contractor can dry the air in a tank, blast the entire surface, hold the blast with dry air, clean the surface, and then apply coating. Instead of a daily blast-clean-coat, blast-clean-coat cycle, contractors can save time and money with a blast-once, clean-once, coat-once routine. Besides the obvious benefit in time savings, there are additional benefits to this process.

Crews can start working early in the morning; they do not have to wait for the right weather or temperature conditions. Usually, this means waiting for morning fog conditions to clear or for the air temperature to rise and warm the surface of a tank. Overlaps from one coated surface to the next in the daily blast-coat routine are eliminated. Coatings are applied once when the surface is ready.

Dust and grit that typically fall on a newly coated surface in the daily blast-then-coat routine are eliminated. Coatings are applied once when the surface is ready. If more than one coat is being applied, then they all can be done under ideal conditions.

Contractors can guarantee when a tank will be completed. Without dehumidification, contractors are at the mercy of changing weather conditions and can work only when the weather is right. Dehumidification can extend the season to year round.

The net result of these benefits is that the contractor and the owner is now in control and is not the victim of weather and atmospheric changes.

"If you don't have the right equipment after you blast the surface, the humidity in the air turns the blast — losing the blast profile that you need."

— Larry Povse, corrosion manager, Industrial Specialists.

Another way the company saves its customers money: DH Tech can use different sources for power including electric, gas (propane or natural) and steam in order to run the dehumidifier in a more economical way.

- Chemical tanks.
- Reactors and vessels.
- Stack.
- Containment areas.
- Tunnels.
- Piping.



DH Tech can use different sources for power including electric, gas (propane or natural) and steam in order to run the dehumidifier in a more economical way for the customer. Here, propane is used as a power source.

Tank lining division

DH Tech's tank division can assist with humidity and/or temperature in:

- Petroleum tanks.
- Water tanks.

Water damage division

DH Tech also has a water damage division, recognizing the destructive effects of uncontrolled water or moisture.

The elimination of excessive moisture is no longer an art. It is now a very precise and predictable science.

"We no longer measure water by drops, we now calculate 'grains of moisture.' Relative humidity can be measured and calculated with the use of established laws of physics on psychrometric charts," Battle said.

Drying times of almost every substance can be accurately calculated by using known formulas to measure density, absorption factors and moisture release characteristics.

For more information, visit www.rentdh.com or call (866) RENT-DHT [(866) 736-8348]. □



Brian Battle, Ken Armstrong and Rusty Burch have more than 37 years' experience in industry.

Weather or not...



We get the job done.

Dehumidification Technologies Inc. offers rental and sales of desiccant and refrigerant dehumidifiers. We have the largest variance of dehumidification equipment (200 cfm to 20,000 cfm) as well as heaters and cooling coils to create any environment for our customer.

Our innovative techniques, a wealth of knowledge, and dependable service help customers achieve a successful project — on time and under budget.

Weather or not - our customers can work all day, all night or through adverse climate conditions. You and your personnel can feel comfortable knowing that Dehumidification Technologies, Inc. is standing beside you until the job gets done.

**24 hours a day /
7 days a week on-call service**



DeHumidification Technologies, Inc.

(866) RENT-DHT (736-8348)
6609 Avenue U • Houston, TX 77011

E-mail: dhtech@rentdh.com
Web site: www.rentdh.com