



London Technology Network
Ideas into Action

Accessing unique expertise via LTN Technology Matching *Engineering*



Engineering

Technology licensing company Carbonate joins forces with St Bartholomew's Hospital and Queen Mary University of London researchers to develop a new pump, courtesy of London Technology Network.

Carbonate knows the value of things running smoothly, especially in their development of a new type of fluid pump.

Their designers created a breakthrough device that was highly accurate, compact and disposable, yet needed extensive testing, product validation and development. That's when London Technology Network (LTN) paid a visit, performing a technology audit to clarify Carbonate's needs. The pump system, comprising pump and controller, is expected to reduce the cost of infusions by over 50%. Made of environmentally friendly materials, the disposable pump is the smallest of its kind on the market. The device has applications in everything from paint mixing to dispensing juice concentrates, but most importantly can be used in distributing intravenous fluids.

With this in mind LTN put Carbonate in contact with St Bartholomew's Hospital and Queen Mary University and the groups have since established an agreement with researchers and clinical staff based within. LTN also assisted Carbonate in securing Jump Start funding from the London Development Agency. Now the project is expected to generate four new jobs in the company over the following years.

Dr Art Tucker of St Bart's and Queen Mary anticipates the project will realise substantive improvements over existing, commercially available systems. "To support Carbonate we have drawn upon the strengths of the two institutions forming a multidisciplinary group covering a range of specialisations and experience," Dr Tucker said.

Carbonate's Paul Pankhurst agreed the organisations had been ideally matched by LTN. "I was impressed with LTN's Technology Analyst, who quickly grasped the product concept and the market opportunity," he said. "I have also been pleased with the pro-active support received from LTN during and after these initial meetings."

For more information on LTN and how we can help your business, contact:

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