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For some time now Van Walt has been offering state-of-the-art wireless telemetry systems to measure environmental parameters onsite with the results fed back to a computer in-house.

“Environmental Consultants, Universities and Local Councils have purchased sensors, loggers and telemetry systems from us to measure anything from water levels in rivers, soil moisture in fractured rock aquifers and as an early warning alarm system in a landfill site,” explains Vincent, director, Van Walt Ltd. “With an increasing number of our systems in place we thought it was useful if we had one here to help demonstrate how powerful this type of data acquisition can be for anyone involved in environmental research.”

Van Walt has put in place a small example system made up of an e-sense rain gauge and DIVER water level logger to measure daily rainfall, groundwater level and ambient temperature. The data is fed back to a desktop and then put live onto their website at <http://www.vanwalt.com/telemetry-system/>.

“Of course much more complex configurations are available such as the system that Leeds University is using with a network of buried sensors recording 22 parameters of data once every 15 minutes, for a research project looking at groundwater vulnerability” concludes Vincent.

For more information on Leeds’ research visit: http://www.see.leeds.ac.uk/imvul/Dawn_Keim.html or to find out more about wireless telemetry systems go to www.vanwalt.com or call 01428 661 660.

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