



# Digital Design Engineer ASIC/FPGA

February 2011

## POSITION OVERVIEW

VDSL2 communications engineer to work with an exciting new communications company located in Coventry. The Company has an exciting, proven and tested high-speed broadband-over-existing-copper offering. It has been validated through testing by both UK and Europe.

The successful applicant will be rewarded with a competitive salary together with excellent Benefits and have the opportunity to acquire shares in the Company.

## QUALIFICATIONS

You will have achieved a minimum of a 1st or 2.1 Honours Degree from a top tier University in Electronic/Electrical Engineering or comparable subject. You will have worked for 3 or more years on the design, implementation, and/or standardisation of xDSL systems and will be familiar with the tools and techniques necessary to build and debug such systems.

## TECHNICAL SKILLS

- Front end RTL design and verification (Verilog)
- Testbench design
- Knowledge of designs using DDR2 memory and Ethernet MAC
- Design prototyping in Xilinx FPGAs
- Experienced with Synopsys tools
- Desirable:
  - Atmel CAP9 devices
  - xDSL experience
  - Access Telecoms background

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## PERSONAL QUALITIES

- Excellent team player
- Good communication skills
- Attention to detail
- Enthusiasm to learn
- Creative approach to problem solving

## FURTHER INFORMATION

Please contact:

**Ian MacKenzie +44 7702 634193**

## ABOUT GENESIS TECHNICAL SYSTEMS

Genesis Technical Systems is the provider of the ground breaking *DSL Rings*<sup>®</sup> technology that provides high speed Internet bandwidth of up to 400 Mb/s over a phone company's existing copper infrastructure at very low cost.

*DSL Rings* technology is a massive opportunity for Telco companies who are losing market share to competitors, particularly to cable companies. *DSL Rings* provides Telcos with a new product that can be installed over their existing infrastructure with minimal capital expenditure of 5% of the cost of installing fibre in urban areas and 1% in rural areas.

The Genesis technology is a "last mile solution" consisting of two pieces of equipment, one in the customer's premises and the other in the neighbourhood equipment box. (In the UK this is known as the Distribution Point, or DP.)

Genesis' solution enables Communications Providers to stop losing customers to, and in fact bring customers back from, emerging competitors whether the Telco customer has committed to fibre and is in the process of an install over the next decade or so, or whether the cost of a fibre installation is not in the Telco's budget.