



## 2006 HAS BEEN A VERY GOOD YEAR FOR OUR CUSTOMERS AND THE INSPECTION MANAGEMENT TEAM.

Welcome to our first of many more newsletters. In this issue we would like to take this opportunity to share with you a number of exciting developments:

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We are committed to building close partnerships with OEM's, Customers and local NDT Companies. This is key to providing consistency, quality, availability and delivery of the highest standards of specialist inspection services.

We pride ourselves in our ability to quickly respond to market demands, which has helped us to increase market share for the provision of Specialist NDE Services to the Power Generation industry. We are growing, continually expanding our solutions portfolio, which just may be of interest to your organisation.

### NEW SPECIALIST NDT SOLUTIONS – AVAILABLE NOW

*Meeting market demands for alternatives to Radiography and MPI*

Our End Ring Inspection solution has been further enhanced by the addition of advanced Eddy Current Testing (ECT) to existing Ultrasonic testing procedures. Benefits include:

- Replacement of time-consuming Dye Penetration Inspections
- Improved detection and quantitative sizing of surface breaking flaws
- Audit trail & hard-copy results with greater confidence of 100% inspection coverage
- Less preparation & cleaning means money saving reduced inspection times.



**Hardness testing** utilising ECT array technology has been developed to provide rapid automated testing of large areas, providing reliable and auditable hard-copy results.

### RESEARCH & DEVELOPMENT – NEW SOLUTIONS AVAILABLE 2007

*Projects specific to the Power Generation Industry*

Current exciting developments aimed at improving established inspections, better detection sensitivity, increasing efficiency & throughput, providing hard-copy audit trails, designed to save time & money.

- **Boiler & other steam pressure parts**
  - Small bore scanner using phased array in lieu of radiography
- **Thin walled components**
  - High resolution detection of small indications
- **Rotor bore**
  - Improved flaw detection utilising special UT probes
- **CMV materials**
  - Improved detection of creep and thermal fatigue damage
- **Cold formed bends**
  - Identify and assess bore cracking
- **Turbine applications**
  - Rapid detection of skewed defects using Matrix phased array
- **ECT array alternative to MPI**



## JOINT VENTURES

We recognise that the world of NDT has limited resources to develop and carry out specialist inspections. Although there is no shortage of equipment, there is a definite lack of manpower with experience & expertise available for Power Generation inspections.

Our fleet of Power Generation plant include fossil fuelled power stations, wind power, cogeneration and hydro totalling around 10,000MW output, and we have built up vast experience for the provision of multi-vendor inspections.

Our strategy is to build partnerships with Customers, OEM's and local NDT companies, so we can leverage each others strengths in delivering consistent, quality and cost-effective solutions.



## PEOPLE

We believe that our biggest asset is our people, who conduct business with honesty, integrity and respect.



As part of our continual investment in people, we are running a Modern Apprentices Scheme in Engineering Inspection, with a new intake of five young engineers to compliment our two existing apprentices and two recently qualified engineers.

We have strong ties with leading Universities through the Research Centre for Non-Destructive Evaluation ([RCNDE](#)) whose vision is to create a world-leading centre of excellence in NDE research, combining innovative science with industrial applicability.

We have a further 3 qualified engineers currently researching for an Engineering Doctorate in Ultrasonic, Eddy Current and Thermograph inspection methods.

## MILESTONES

We are proud to announce that we are indeed responding to the Power Generation market demands and have significantly broadened our portfolio to meet these.

With ample research & development resources, we are able to quickly adapt and implement cost effective solutions, and our growing customer base now includes:

- **OEM Partners** - Specialist NDE inspection support
- **Power Generation Producers** - Specialist NDE inspections directly
- **NDT Company Partners** - Specialist NDE inspection support & training
- **Agent Partners** - To help understand local market demands for NDE
- **Other Industries** - Specialist NDE techniques in lieu of radiography

## OVERSEAS ACTIVITIES

Our internal business is a secure base where our solutions and services have been thoroughly researched, tested and approved. This is the ideal platform which allows us to develop our external business' focussing on the marketplace outside of the UK.

By building close working partnership arrangements with OEM's NDT Companies and Agents, together with expertise, training & support, we are enabling our partners to offer Inspection Management's range of specialist NDE services to customers in Europe, Canada, Saudi Arabia & South Africa.



## CONFERENCE EVENTS

In the European Conference on NDT (ECNDT 2006) our conference & exhibition stand was a tremendous success.

Visitors and exhibitors visited our stand in droves in order to understand how we are applying the latest technologies to meet our customer requirements.



Inspection Management Stand



Exploring customer centric solutions



Small bore pipe scanner

In line with our policy of ensuring that we are familiar with the latest NDT research and developments, RWE Inspection Management ensures delegates are always in attendance at major conferences within the industry.

We will be available to discuss the full range of NDT solutions to Engineering problems at the following venues:-

- Power Generation Conference (PowerGen) - Madrid June 2007
- British Institute of Non Destructive Testing - Glasgow September 2007
- World Conference on Non Destructive Testing - Shanghai 2008

## CONTACT DETAILS

We welcome your comments and for further information, please contact us below:

RWE Inspection Management  
RWE npower  
Windmill Hill Business Park  
Whitehill Way  
Swindon  
Wiltshire SN5 6PB. UK.

T: +44 (0)1793 89 30 38  
F: +44 (0)1793 89 22 88  
M: +44 (0)7793 35 43 52  
E: [sgsales@rwenpower.com](mailto:sgsales@rwenpower.com)  
W: [www.nde.rwepi.com](http://www.nde.rwepi.com)

