

COMPANIES GEARING UP

Collaborative partnerships for the future

RECENTLY Interactive Community Planning (ICP) qualified for pre-selection to be appointed on the DEEWR panel for the Indigenous Employment Program 2009-2012.

The company is beginning to establish collaborative partnerships to provide long-term training, employment and retention outcomes for many remote Aboriginal communities.

A strategic focus on WA, South Australia and the Northern Territory happened as a result of ICP's past involvement and hard work in Queensland and NSW with many remote communities.

In the field of cultural heritage consultancy, ICP has led the way for the past 15 years.

Managing director Charmaine Foley — who played a significant role in bringing about reconciliation within Australia and who has had a long career in the areas of urban and social planning, and Aboriginal

reconciliation, and is also a former local government representative — established the company in Queensland.

Recently ICP was appointed to the panel of two indigenous employment programs and will endeavour to work with agencies and services in this field.

A new direction for the future is being led by ICP's interstate project manager Rod Ogilvie. Mr Ogilvie has many years of experience in developing employment opportunities for indigenous Australians and will be setting up new projects in WA.

With a proven capacity to develop two-way negotiations with communities, ICP has established a solid working relationship with Aboriginal communities across Australia.

ICP has the expertise to work with industry to bring about innovative partnerships for mutually beneficial outcomes for all parties involved.



Rod Ogilvie, interstate projects manager for ICP, with ICP managing director Charmaine Foley

Developing inventive and economical solutions to overcome problems

IN EARLY 2006, HMG Hardchrome identified a shortfall in the steel market. Various large sizes of hollow bar were not available anywhere in Australia. Less than three per cent of the worldwide steel usage for carbon steel hollow bars was in Australia.

To overcome the insufficient steel sizes and quantities carried in Australia by all steel suppliers, a commercial decision was made to purchase a deep hole borer.

"We could not allow the world market to continue to restrict our ability to service our customers. We had to take steps to secure a supply of barrel material for our business," HMG Hardchrome chief executive Lincoln Gibbons said.

A borer with a long bed, previously used to machine gun barrels for Australian naval vessels, was available from NSW. The machine frame, bed

and head were purchased and shipped to HMG Hardchrome in Brisbane. After engineering, modification and implementation of a state-of-the-art cutting head, the borer was installed.

The first project to utilise the deep hole borer was a solid billet of K1045 carbon steel, 50mm in diameter and 4.1 metres in length. The solid billet had a weight of more than 7.5 tonnes.

No hollow bar material was available at the time to enable a hydraulic cylinder barrel to be manufactured. The finish size of the hole to be placed up the full length of the barrel bore was 420mm internal diameter. The billet of steel required steady tracks to be machined on the outside diameter to ensure concentricity when being bored in the deep hole borer.

Once the steady tracks had been machined it was then loaded into the deep

hole borer. The first process cut was made using a drill bit that was about 140mm in diameter.

Finally, the drill bit passed through the steel billet. A drilling head was then fitted and passed through the steel billet.

A total of 4.5 tonnes of steel was required to be machined out of the centre of the billet, which gave a total weight of the billet after machining of three tonnes. The solid billet was now a piece of hollow bar.

The hollow was produced during a three to four-day period once the solid billet of steel had arrived. The only other option at the time was a three-month wait for a forging to be produced locally or a wait of 14 months for the hollow bar to arrive from the mills in Europe.

The hollow bar was honed to a correct tolerance finish size and the barrel eye was then welded to the piece of hollow bar. Holes were drilled and tapped in the end face to complete the process of manufacturing the hydraulic cylinder barrel.

The deep hole borer allows HMG Hardchrome to continue to supply a fast service to customers, even when traditional steel suppliers are unable to provide the required material.

"At HMG Hardchrome, we believe in finding inventive solutions to problems," Mr Gibbons said.

"Up time is of optimal concern to our customers, and we need to be able to deliver quickly and efficiently.

"We believe that our ability to continue to find economical solutions to problems facing our customers is why we are considered market leaders in hydraulic repair and general engineering."



HMG's borer

"JACK" of all Trades
 Mobile Welding & Maintenance
 Mobile Soda & Grit Blasting

Specialising in:

- Stainless Steel Fabrication
- Mobile Soda & Grit Blasting
- General Engineering
- On-site Maintenance
- 18 kva Generator for Hire

PO Box 817
 Berracree SA 5004

Mobile: 0428 951 482
 Phone: (08) 8695 1482
 Fax: (08) 8695 1057

Do you need storage?
 We stock the Nally Mega 780L Bin Range.
 Vented and solid bins for sale.
 Rails for rotation & lids are available.
 Dimensions: 1162 x 1162 x 780mm.



Contact our staff for a quote.
United Crate Co Operative Ltd
 1 Zanni St Canning Vale WA 6155
 PH: (08) 9455 1540
 Fax: (08) 9455 2376
 Email: info@unicrate.com.au