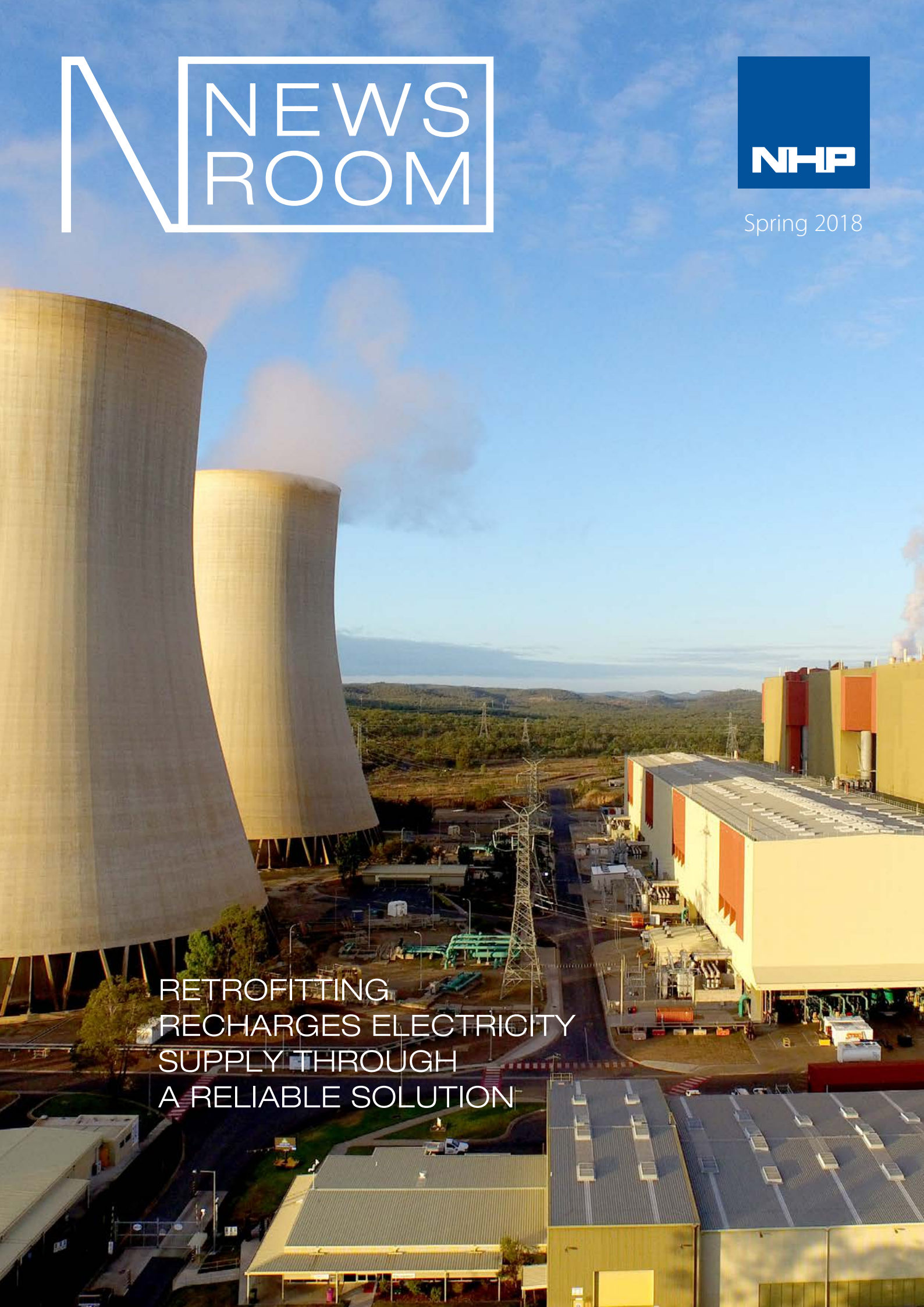
NEWS ROOM

NHP

Spring 2018



RETROFITTING RECHARGES ELECTRICITY SUPPLY THROUGH A RELIABLE SOLUTION

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EDITORIAL

NHP "Beyond 50"

With 2018 marking NHP's 50 years of operations, we are proud to recognise the achievements and success of the past. However, as important as it is to recognise our past, we now begin to shift our focus to NHP "Beyond 50" years.

NHP has a long and storied past, characterised by our willingness to provide a local choice, powered by global partners that delivers the world's best products and knowledge, that's built on a trusted network of relationships.

Whilst we've grown to a team of over 850 quality personnel located in 22 metropolitan branches and 25 regional locations throughout Australia and New Zealand, we pledge to retain our local footprint and ensure the customer remains the cornerstone of our identity.

NHP's strength lies in our people and the inclusive, community focused culture that we've proudly instilled in our organisation across the last five decades. Within this time, values and guiding principles have become deeply ingrained to encourage the innovation and inspiration people need to become leaders in their field.

People have always been the greatest asset of NHP, providing the foundations of service, knowledge and unrivalled support that is vital to foster trusted customer relationships.

Our customers are at the centre of everything we do and have been a founding principle of NHP for 50 years.

By offering a customised choice in product, technology, service and support, we stay committed to delivering integrated value-add solutions tailored to satisfy your everchanging needs.

Businesses have always changed with the times, and never more so than in today's accelerated, global market. The ongoing convergence of information technology (IT) systems and operational technology (OT) systems highlights the transformation taking place, expanding the realm of possibility for smart industry and a connected enterprise.

As the market continues to evolve, NHP recognise that in today's globalised environment the power of local rings true more than ever before, powering the increased choice, value and returns that customers need to stay at the forefront of industry excellence.

Maintaining our local presence is at the core of NHP's ethos and by leveraging off our network of established global partnerships we stay committed and provide our customers with the very best service and the highest level of quality products.

We thank you for your support as we embark on an exciting new chapter of the NHP story "Beyond 50" years.

Kind Regards,

NHP Executive Team

COMPANY NEWS

NHP partners with Swinburne University to foster next generation of engineers

Since our inception in 1968, NHP has prided itself on being a leader in the electrical and engineering industry, all sustained and underpinned by the personnel expertise that are the backbone of our core business. For this to continue to power us forward, NHP understand our responsibility to invest and support the future of our industry.

As such, NHP proudly partners with Swinburne University to strengthen NHP's team's skills and knowledge through specific training courses. In addition, NHP supports Swinburne's next generation of engineers ensuring that our industry remains in its prosperous state now and into the future.

Our most recent sponsorship is with Swinburne University of Technology's 'Team Swinburne' student motorcar racing team.

With NHP's support, students not only receive financial sponsorship but are given the opportunity to leverage off NHP's expertise, whether it be marketing, business or engineering guidance. This will contribute to their ultimate goal of building an open wheel race car for competition in the Australasian Formula SAE, ensuring each component and element meets safety compliance and incorporates cutting-edge technology.

"We are excited to support a program that equips the next generation of engineers with the skills needed to transition into the workforce in a platform from which students can gain hands-on experience, providing a solid foundation for their careers," NHP Chief Marketing Officer, Geoff Thorp commented.

This partnership enables students to cultivate their skills through developing a cutting-edge motorcar and executing on an overall plan. NHP are proud to be involved in this student initiative, fostering the upcoming prospects of our ever changing industry.

RETROFITTING RECHARGES ELECTRICITY SUPPLY THROUGH A RELIABLE SOLUTION

Stanwell Power Station is a highly-automated station recognised as one of the most efficient and economic coal-fired power stations in Australia. Owned by Stanwell Corporation Limited who, with an extensive power generation and energy infrastructure portfolio across Queensland, has a wealth of experience in the supply of energy.

The station is located approximately 23 kilometres south-west of Rockhampton, Queensland and is one of Stanwell's major operating sites.

With the capacity to generate 1460 megawatts using four power generation units, Stanwell Power Station supplies approximately 15 percent of Queensland's annual electricity demands by burning low sulphur black coal.

Constantly aiming to ensure a reliable, secure and affordable electricity supply, Stanwell Power Station has positioned itself as one of Australia's leading power generation sites, regularly distributing electricity to customers not only in Queensland, but throughout the country to the National Electricity Market.

After assessing the status of all equipment to ensure aspects were functioning at the optimum levels as part of a plant-wide upgrade, it was determined that the Stanwell Power Station required a replacement of their 415V Air Circuit Breaker (ACB) for Unit 415V Switchboard, and Ash and Dust 415V Switchboard.

The existing ACBs had been in service since the units at Stanwell were first commissioned in 1993 and were experiencing reliability issues due to aging component failure. As well as this, they were difficult to maintain due to the unavailability of spare parts and support from the OEM.

With safety and operational efficiency taking priority, the decision to retrofit the ACBs installed in the plant was made, and Stanwell saw NHP as the preferred choice to perform the services required for the upgrade.

The NHP Service Team removed the legacy ACBs, retrofitting them with 2000A and 3200A Terasaki AR ACBs which incorporated the premium model AGR31C protection relay with integrated 3C over temperature protection. 3C over temperature protection is a breakthrough self-monitoring temperature system for checking the condition of the AR ACBs main contacts and conductive path and sets industry leading standards without compromise.

To assist with the retrofit, NHP used CAD designed Conversion/ Upgrade Kits made specifically for NHP Terasaki ACBs. These kits are fully engineered, removing the need for onsite busbar bending and alteration. The kits come fully prefabricated to convert the new ACB connections to match the old ACB connections precisely, allowing fast and smooth integration within existing infrastructure.

NHP's compliance with the technical specifications of the existing ACBs and the added capacity for trusted technical support, maintenance and a reliable spare parts supply gave a quick and seamless installation with the right backup and on-site training.

Being the only authorised and trained Australian and New Zealand Terasaki distributor and service agent, NHP's Service Team have been specifically trained by Terasaki to deliver best practice services from concept design through to installation and after-sales service. On-site training was delivered to ensure the Stanwell electricians were well equipped for the new ACBs, demonstrating NHP's commitment to deliver industry-leading support.

"With a strong focus on minimising operational risks and enhancing personnel safety on the site, the ACB upgrade was embarked on to ensure any faulty or unreliable tripping and reset mechanisms which can often be associated with aging ACBs were resolved," said James Huf, NHP's Service Technician.

"Our Service Team are specifically trained in modernising protection systems with a future proof solution to increase overall system reliability and plant safety. We were confident in the retrofit product sourced from one of our global partners which we customised to the local standards and further tailored to Stanwell's needs," continued Huf.

With Stage 1 of the project now successfully completed, attention turns to the eventual completion of the remainder of Stanwell Power Station's onsite power generation units.

NHP looks forward to playing an important role to help shape and transform one of Australia's leading power stations as it continues to set the benchmark for efficient and reliable electricity generation into the future.

50 YEARS OF REFUELLING PROPELS DEFENCE TO NEW HEIGHTS

(l-r) Geoffrey Pinner (Refuel International), Andrew Ware (NHP), Jack Wheatley (NHP) and Ben Foster (Refuel International)

With aircrafts purpose built for air combat, air mobility, aviation training, and intelligence, surveillance and reconnaissance, the Australian Defence Force protect Australia's borders through strategic and operational-level analysis.

The Royal Australian Navy, Australian Army and Royal Australian Air Force make up the Australian Defence Force, and to ensure their respective aircrafts get lift off safely, refuelling trucks are the ground units to supply and support their flight. The Australian Defence Force implemented the JP157 Aviation Refuelling Vehicles Facilities (ARVF) Project to support the Capability Acquisition & Sustainment Group (CASG) replacement aviation refuelling tanker project.

With 107 aviation refuelling trucks required, the Australian Defence Force appointed Refuel International to provide them with 47 high capacity tankers, 43 medium capacity tankers and 17 hydrant dispensers across a two and a half year span.

Located in Sunshine, Victoria, Refuel International's aviation refuellers are designed for efficient and safe aircraft refuelling in port locations, transferring fuel into the aircraft via a pump, filter and metering systems.

Reliability, robustness and safety were at the forefront of these systems, so to ensure safe operation and quality longevity, Refuel International called upon NHP Electrical Engineering's assistance. Coincidently, both local Australian companies have this year reached an impressive 50 years of operation in industry. With established reputations not only locally, both companies in some way have penetrated and leveraged off global innovations to strengthen the Australian market.

"Operational safety is our main priority when designing and manufacturing any system. Having a long standing and close working relationship with NHP, we knew they were the right choice to help us complete these systems with specific needs in a compact space as well as having stringent safety requirements," commented Refuel International's General Manager, Geoffrey Pinner.

NHP worked closely with Refuel International to design a modern and scalable control system that could easily be fit into various truck models within tight space constraints. Adding complexity to the design is the hazardous environment the systems must operate within, with the potential for exposure to Aviation fuel.

NHP manufactured the control system at their National Manufacturing and Distribution Centre to deliver a customer built system along with various loose supply items to reduce the customer installation time.

"NHP's ability to design and manufacture quality control systems locally and back it up with technical support instilled confidence throughout the duration of the project. Further elevating the convenience factor, NHP has extensive local stock holdings ensuing minimal delays and fast delivery of required products," Mr. Pinner continued.

Paramount to the design is a range of hazardous area equipment for maximum protection. Included in the solution was Intrinsically Safe barriers serving the purpose of limiting the input energy for devices in hazardous areas, allowing the integrity of the Intrinsically Safe circuit to be maintained. Ideally paired with the corresponding barriers, are the Moflash Ex beacons which are easily customisable where local indication is necessary.

For overall truck safety, NHP implemented the Steute. Intrinsically Safe Proximity sensors acting as interlocks not allowing the unit to activate unless all devices are in a safe position. NHP's Hazardous Area Ex Junction boxes from Cortem were used for cable management with the units machined by the NHPEx workshop according to Refuel International's specifications.

"NHP supplies not only a range of Hazardous Area Equipment and a specialist team, but also, customer specific systems via our certified manufacturing and assembly workshop. In this workshop, accredited staff design, construct and inspect the range according to the requirements of IECEx certification. This allows for flexibility to produce custom solutions to suit Refuel International's requirements," said Andrew Ware, NHP's Automation Sales Supervisor.

Complementing the hazardous area devices and to provide seamless connectivity, NHP identified a need for connection products from Rockwell Automation, including Patchcords with integral connectors, Mini Distribution Boxes, power supplies and Safety Relays meeting safety standards and offering key functions to simplify installation and system complexity.

Through sound and efficient processes, Refuel International recently received a runners-up award from Defence Industry Australia for this project which was delivered 12 months ahead of schedule and under budget. This outstanding achievement has further secured a three year contract as the sole manufacturer for AirBP aviation refuelling vehicles.

The combined knowledge and expertise of the two local companies is what drove the success of this project. NHP are proud to have collaborated with Refuel International to contribute to the defence of Australia and ensure the components aligned with all safety requirements.

UNPACKING THE COMPLEXITIES TO DELIVER INNOVATIVE VFFS MACHINERY

Often overlooked or not consciously considered as a consumer, packaging plays a pivotal role in many aspects of your day to day life. From retaining fresh contents to ensuring hygienic deliverables and to brand recognition, it is crucial that this element is executed well.

Catering to the ever-growing demand within the packaging industry, ADM Packaging Automation have been servicing this industry for over 20 years producing world class customised machine packaging solutions.

Constantly aiming to elevate the benchmark for efficiency, accuracy and speed, ADM develop and design packaging machinery to reinforce itself as a leader in innovative packaging automation, supplying flexible packaging solutions for dry and liquid products across Australia and South East Asia.

With that said, ADM developed the ADM-W Series Vertical Form Fill Seal machine employing innovative technology to advance a machine that ultimately improves customers' consistent quality to the marketplace and reduces the risk of downtime. Underpinned by an attitude of continuous improvement, the overall central control system of this sophisticated machine was required to be installed, delivering an element of simplicity, and this is where ADM teamed up with local supplier, NHP Electrical Engineering.

Due to the costly and time consuming nature of replacing and sourcing new equipment after failure on the production floor, there was one major factor to consider before choosing the supplier of the products to be used in the central control system upgrade.

"If you can buy equipment that is locally supported like it is with NHP, it's of great benefit. We find that with offering the right support and the right backup we minimise downtime significantly, which allows us to be a strong, local business for local customers that they can fully depend on," said ADM Packaging Automation's Technical/Sales Manager, George Fakhry.

Competing with international corporations in the industry, ADM derive a passion to set themselves apart from the rest with a local touch. This elevates the reliability and personal service supporting the product itself.

"Our aim is to improve efficiency, increase productivity and ultimately deliver a reliable packaging solution that helps customers grow their business. With the dependability and support of NHP, it pays to manufacture locally," George continued.

With a strong focus on the power of local backing, combined with a global network of suppliers, NHP formed a complete source for product and service support. Making up the suite of products supplied was the Allen-Bradley® PanelView™ 800 touch screen operator interface providing a view into the control system designed with the Connected Components Workbench software.

"Leveraging off our partnership with Rockwell Automation, our solution comprised of their quality products as well as specific training for ADM personnel to better design and implement an innovative packaging machine," commented NHP's Automation – Business Development, Austin Gan.

Also specified in the NHP solution was the Allen-Bradley® CompactLogix™ 5370 controllers which controls the Allen-Bradley® Kinetix® 5500 Servo Drives, supporting Integrated Motion on EtherNet/IP™. With its innovative, compact design, the Kinetix® 5500 drive helps minimise machine footprint and simplifies system wiring.

Featured in this modular design are the Allen-Bradley® PowerFlex 525 compact drives, which can be configured using the Connected Components Workbench and offer embedded EtherNet/IP™ communications, USB programming, and standard safety features that are suited perfectly for this application. For seamless integration and simple cable connection, the Allen-Bradley® Bulletin 1783 Stratix® 2000 Unmanaged Ethernet Switches were also installed.

"One of the major reasons we chose NHP was all of the equipment is compatible with each other. The ethernet connectivity between the PLC, Servos and drives reduced wiring complexity, panel space and commissioning times and together formed a complete system we could fully rely on," said ADM Packing Automation's Engineer, Richard Crighton.

With plans to expand their offering as the business continues to grow, NHP look forward to supporting ADM Packaging Automation as they strive to service the expanding, flexible packing industry with market leading packaging solutions.

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(l-r) David Kenney (Technology Specialist- Industrial Automation and Motion, NHP), Richard Crighton (Engineer, ADM Packaging Automation), George Fakhry (Technical/ Sales Manager, ADM Packaging Automation) and Austin Gan (Automation- Business Development, NHP)

"If you can buy equipment that is locally supported like it is with NHP, it's of great benefit"

WORK SMARTER WITH SMART MOTOR CONTROL

A Smart Motor Control solution is built on smart devices capturing real-time data shared via EtherNet within an integrated architecture. This data is contextualised to provide opportunities to reduce your energy costs, proactively maintain your assets, minimise downtime, collaborate with colleagues and improve worker safety.

View and trend device specific energy usage for each motor, enabling you to focus improvement programs on power quality, starting technology and process optimisation. Understand when you incur peak demand changes, what your most energy intensive processes are and identify equipment running that could be off.

Find problems before they occur by remotely monitoring and proactively alerting users on key parameters of specific devices in real-time (% thermal capacity, % FLA, Time to trip). Monitor not only electrical parameters but also mechanical with integrated vibration analysis to signal early warning signs such as bearing issues, unbalances, shaft problems, pump cavitation and blower turbulence.

Move from disparate systems to working in a single control architecture and software environment across standard, motion and safety control. Reduce your engineering time, training and maintenance across multiple platforms.

Communicate, share and manage incidents with team members at the touch of your smart phone. Save time and production with your maintenance team responding to the latest information.

Integrate safety for high productivity and safe machine interaction with a quick return to production from routine maintenance procedures, minimising likelihood of bypassing the safety system.

Work smarter and leverage the benefits of Smart Motor Control as part of a Connected Enterprise from NHP and Rockwell Automation.

Elevate your project with this smart solution, find out how: **nhp.com.au/more/smartmc**

REDUCE DOWNTIME WITH ADVANCED MOTOR CONTROL TECHNOLOGY

NHP is proud to bring to the local Australian and New Zealand markets the newly released Allen-Bradley® SMC-50 soft starter with internal bypass incorporating advanced motor control and protection functions.

Designed for customer flexibility, this product features advanced monitoring, greater protection, superior communication and network integration capabilities to increase efficiency and reduce costly downtime.

Composing of network integration and expandable I/O for application scalability and HMI/ personal computer setup for process optimisation, this soft starter also includes a host of operating modes. In particular, the Sensorless Linear Speed Acceleration and Deceleration provides a superior soft start and soft stop, and are ideal for any application.

Available in nominal ratings of 108 through to 480A at 415V AC and 690V AC, this device ensures greater functionality and effectiveness for controlled motor starting, whilst also providing flexibility to meet ever-changing requirements.

For more information on the Allen-Bradley® SMC-50 soft starter from NHP, please visit **nhp.com.au/more/smc50**

NETWORKED SAFETY HELPS STREAMLINE MACHINE DESIGN

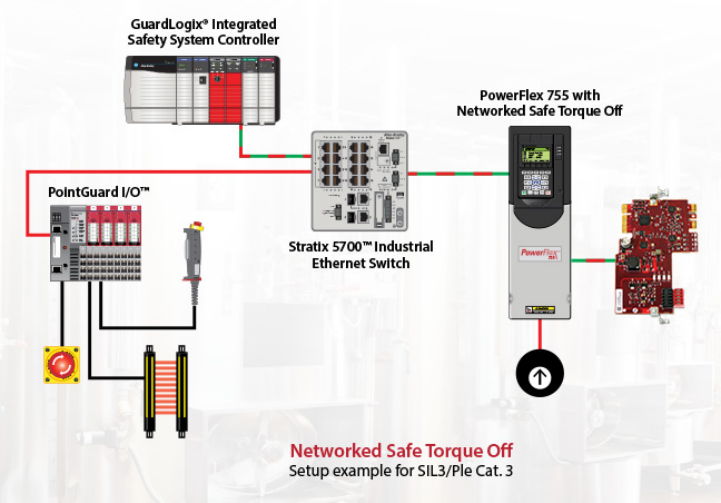
Benefit from the ability to integrate safety into your control system. Unveiling Rockwell Automation's Networked Safe Torque Off, NHP provides the same benefits as hardwired Safe Torque Off – plus the ability to simplify your machine design and minimise equipment redundancies.

This new safety option card provides Safe Torque Off functionality via the built-in EtherNet/IP port for the PowerFlex® 755, PowerFlex® 755TL, PowerFlex® 755TR and PowerFlex® 755TM drives.

The ability to integrate the safety functions over EtherNet/IP provides the opportunity to reduce hardware and installation costs while improving productivity.

The integration of the safety and standard control systems provides operators and maintenance personnel with visibility to all machine events – including safety events. This enables a quick response that allows the machine to return to full production faster. The Safe Torque Off option module has a SIL3, PLe, CAT 3 rating.

For flexibility and simplified machine design changes, Rockwell Automation's option module from NHP can be used for both hardwired and networked Safe Torque Off applications.



ACHIEVE MAXIMUM POWER AVAILABILITY BY ELIMINATING THE SINGLE POINT OF FAILURE IN YOUR NETWORK

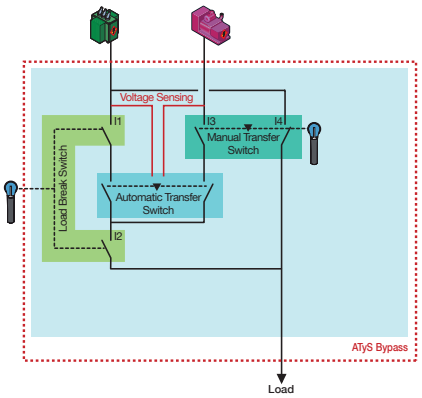
The NHP ATyS bypass switch (40-3200A) from Socomec is based on proven ATyS load break switch technology, which provides automatic transfer of two supply sources to ensure continuity of supply to critical loads such as HVAC, sprinklers, elevators, fire panels and pumps, control and signalling, ventilation and hospitals. The solution offers the complete isolation to ensure the maintenance safety and guarantees continuity of the power supply during maintenance and test operations.

The solution offers Single Line ATS Bypass and Double Line ATS Bypass. The Single Line ATS Bypass consists of 2 functions: an automatic changeover switch and a single bypass line connected to the preferred supply source. The Double Line ATS Bypass consists of 3 functions: an automatic changeover switch, an ATS bypass and a facility for selecting between supply sources when in the "bypass" mode.

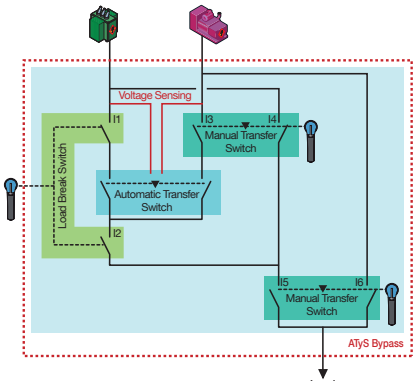
The association of an ATyS along with a remote interface ATyS D20, will enable an easy configuration, exploitation and visualization of the data shown on the front of the equipment (timers settings, hysteresis, start/stop of the genset).

NHP's ATyS transfer switch from Socomec incorporates innovative construction ensuring maximum immunity to electrical network disturbances, making this a truly robust and reliable solution.

Make sure you're 'Always On' with NHP and Socomec – **visit nhp.com.au/more/tse**



Single Line ATS Bypass



Double Line ATS Bypass

ENERGY METERING PROVIDING HIGH ACCURACY AND ADVANCED MONITORING

Energy metering is the essential component to understanding your energy consumption and power quality, equipping you with data to make informative decisions. This is even more important given the increasing use of electronic devices within facilities and buildings, adding to the growing trend of electrical noise which is continuing to be a serious issue in electrical networks.

The newly released Nemo 96EA from NHP provides high accuracy monitoring of energy and power measurements, ensuring you have all the important information required to identify consumption trends and any power quality issues. Take corrective actions quickly, whether that be to assist in improving uptime or reducing energy bills.

The Nemo 96EA captures critical events such as voltage dips, interruptions, sags and swells, flicker, rapid voltage change, and THD analysis (individual harmonic analysis up to the 40th harmonic) providing valuable insights into the power quality onsite.

Featuring 8MB of built-in memory that allows the storage of up to 3000 events, as well as energy consumption and real-time variables, the Nemo 96EA includes Modbus RTU communication as standard for remote monitoring. This modular power analyser integrates with digital and analogue I/O modules for the complete energy management solution.

Suitable for 415/690V applications as well as MV/HV (via voltage transformer), the Nemo 96EA has you covered whatever the application.

NHP'S ACB TOTAL CARE PACKAGE GIVES A PEACE OF MIND WARRANTY

Poorly maintained ACBs can lead to catastrophic product failure during operation and the consequences can be lost production and significant downtime, costly repairs, and financial penalties from government safety authorities if on-site personnel are injured.

In order to be able to help our customers' current challenges NHP created the Total Care Package which includes a yearly service, an emergency back-up service, extended warranty as well as many more beneficial features, all bundled into a small monthly payment.

NHP are committed to supporting our customers for the life of their project and beyond. Take advantage of NHP's Total Care Package and the peace of mind that comes from comprehensive product knowledge, best practice electrical services.

For your next project, **visit nhp.com.au/more/nhpservice**

BECOME IMMERSED IN NHP'S INTERACTIVE TRAINING FACILITY

The NHP Power Hub is a purpose built, specialist demonstration and training facility located at the NHP head office in Melbourne, Victoria.

The Power Hub showcases NHP's full intelligent power distribution portfolio, from medium voltage (MV) to low voltage (LV) solutions, including NHP's new generation of modular Concept panelboards featuring a smart integrated earth leakage device test system.

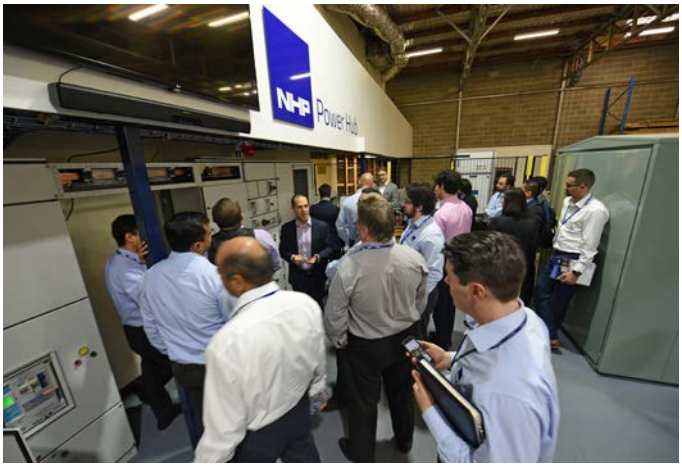
Specialist products on display include:

- De-mountable, withdrawable MV switchgear and Ring Main Units
- Oil immersed and cast resin transformers
- MV Agile protection relays
- 2MVA kiosk substation which contains a built-in arc quenching system called 'Arc Killer'
- Axelent safety fencing
- Test verified Cubic modular switchboard, fully furnished with Terasaki circuit breakers
- Socomec enclosed transfer switch with bypass function
- Withdrawable Air Circuit Breakers (ACBs) and withdrawable Moulded Cases Circuit Breakers (MCCBs)

Furthermore, NHP's low voltage arc flash mitigation solution 'Arc LogiX' is also on display giving visitors a realistic simulated arc flash experience. The Arc LogiX system has recently been upgraded to include temperature sensor inputs which can be used to monitor the ambient air temperature within switchboard cubicles.

This important upgrade to Arc LogiX complements unique '3C overheating protection technology', which provides real-time temperature monitoring of Terasaki ACB main contacts.

To organise a group tour of the NHP Power Hub please contact your local NHP Sales representative.



Protect your operations with Integrated Condition Monitoring solutions from NHP

In any plant, there are assets, big or small, that are imperative to the overall operation and ensuring their condition is monitored is essential. Being informed about your machines' status will protect from damage, prevent problems that would result in a loss of production, assure or improve quality, and reduce maintenance costs.

When it comes to rotating and reciprocating industrial machinery, the most effective data collection is bearing and casing vibration readings, and often these critical rotating assets are monitored using periodic manual data collection.

This level of analysis provides customers with historical insight into asset performance, however too often customers are not acquiring or analysing this data in a timely manner and are missing early warnings signs of developing problems. Missing these indicators can result in equipment failure and can impact maintenance budgets and productivity goals.

Whilst routine maintenance is often applied to critical machinery at scheduled intervals to prevent failure, predicative maintenance techniques are designed to help determine the condition of equipment and predict when maintenance should be performed reducing unnecessary scheduling maintenance works or unplanned production loss caused by a failure.

To truly achieve predictive intelligence, real-time 24/7 monitoring of your critical rotating assets is required. With online monitoring of your critical assets, permanent sensors are installed to constantly monitor your critical assets' performance and can report any deviations immediately. With Rockwell Automation's Integrated Condition Monitoring solutions from NHP, this online solution has just become even easier to integrate.

The Allen-Bradley® Dynamix™ 1444 Series has been specifically designed to integrate into your existing control system allowing you to leverage existing investments in your SCADA and information solutions platforms.

To protect equipment, Dynamix™ 1444 measures and monitors a machine's critical dynamic and position parameters and assures appropriate actions are performed, with the precision, reliability, and performance required by industry and regulatory standards.

For general condition monitoring, the Dynamix™ 1444 monitors offer unprecedented signal processing and measurement capabilities allowing you the tools necessary to detect and identify the faults and status across all classes of industrial machinery. You can send information to plant-wide and enterprise-wide databases for storage and trending. With this information, you can take appropriate maintenance action, such as replacing worn-out components before they fail, protecting both production and equipment while reducing maintenance costs.

The programming environment tightly integrates into Rockwell Software Studio 5000®, so you can deploy and maintain condition monitoring programming in the same design environment used for your standard automation control. Vibration and temperature data can be integrated in the same control platform where operators can easily review both equipment conditions and process data to make educated production decisions.

Furthermore, complex condition monitoring analysis can be converted into a simple and easy display, providing a reliable indication of equipment health that is easily understood by both operators and maintenance personal without requirement for dedicated mechanical skillsets.

Rockwell Automation and NHP deliver Integrated Condition Monitoring solutions to help you keep your plant floor running productively by detecting potential equipment failures with intelligent components performing real-time processing of critical parameters used in assessing the current health and predicting the future health of industrial machinery.

Learn how you can integrate this solution into your next project, **visit nhp.com.au/more/icm**

Are you as safe as you should be? Think safety, think NHP!

When it comes to safety, NHP combine local expertise and an extensive portfolio of state-of-the-art products from leading global suppliers to deliver integrated, value-add solutions to the Australian and New Zealand market.

Calling upon our safety team that includes TUV certified experts, we can also offer a range of services and training opportunities to ensure a sustainable approach that makes your operation cleaner, safer, and more energy efficient.

Ensuring your safety solution needs are met, NHP also has specialist safety resources to assist you from solution design and standards compliance to product selection and installation, one of which is NHP's complimentary electronic tool – NHP Safety Reference Guide.

Download your copy of NHP Safety Reference Guide:
nhp.com.au/more/srg

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