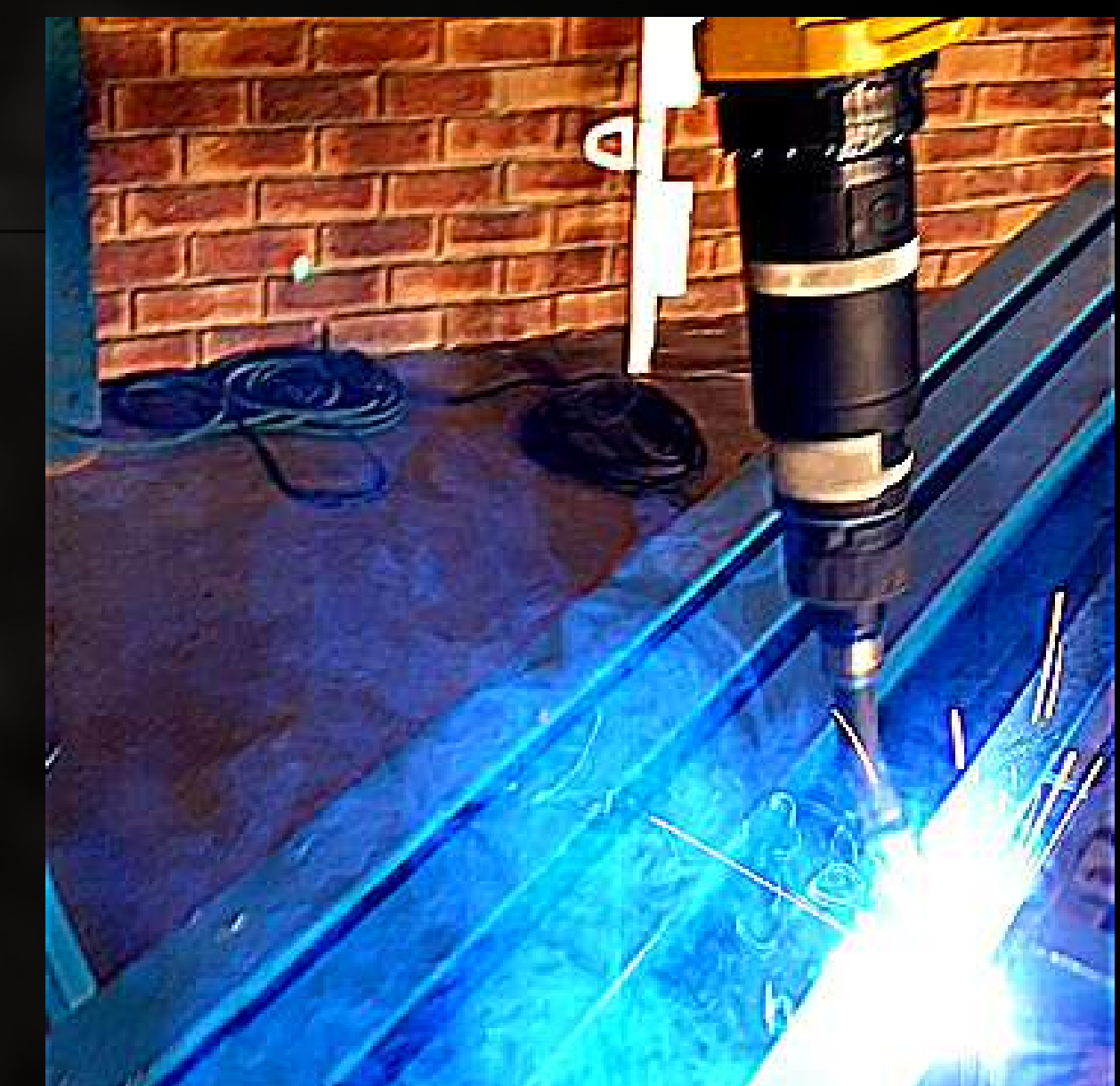
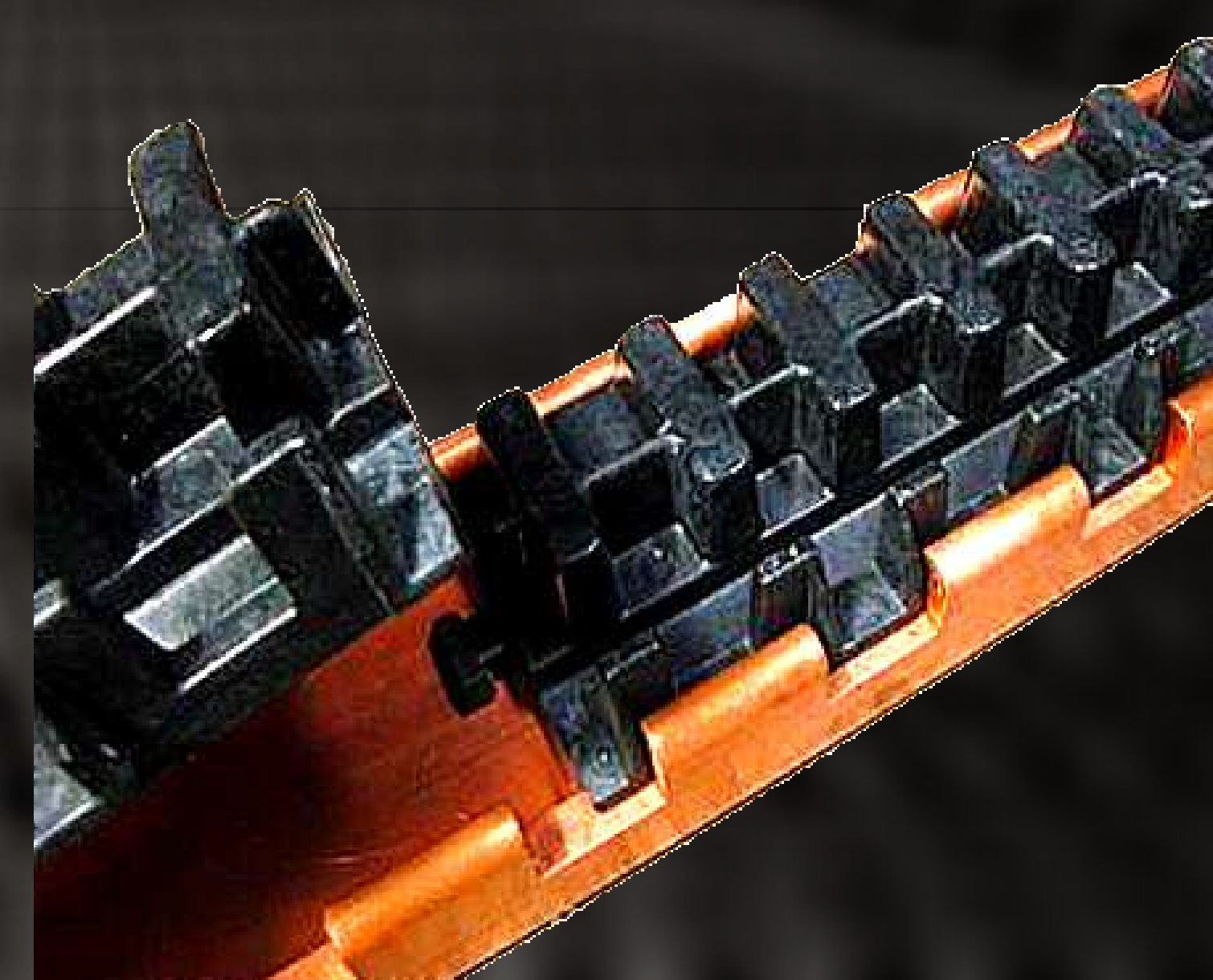




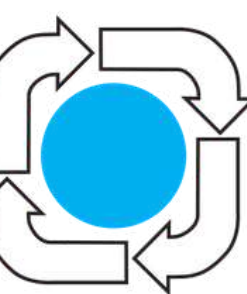
ELECTROWINNING EQUIPMENT BROCHURE



LEADERS IN ELECTROWINNING TECHNOLOGY

Located in Johannesburg, South Africa, we are dedicated to offering first-world electrowinning technology to the global mining industry. Our inhouse designs & manufacturing of innovative products have become the standard for base metals in the electrowinning sector while providing **World Class Quality**.

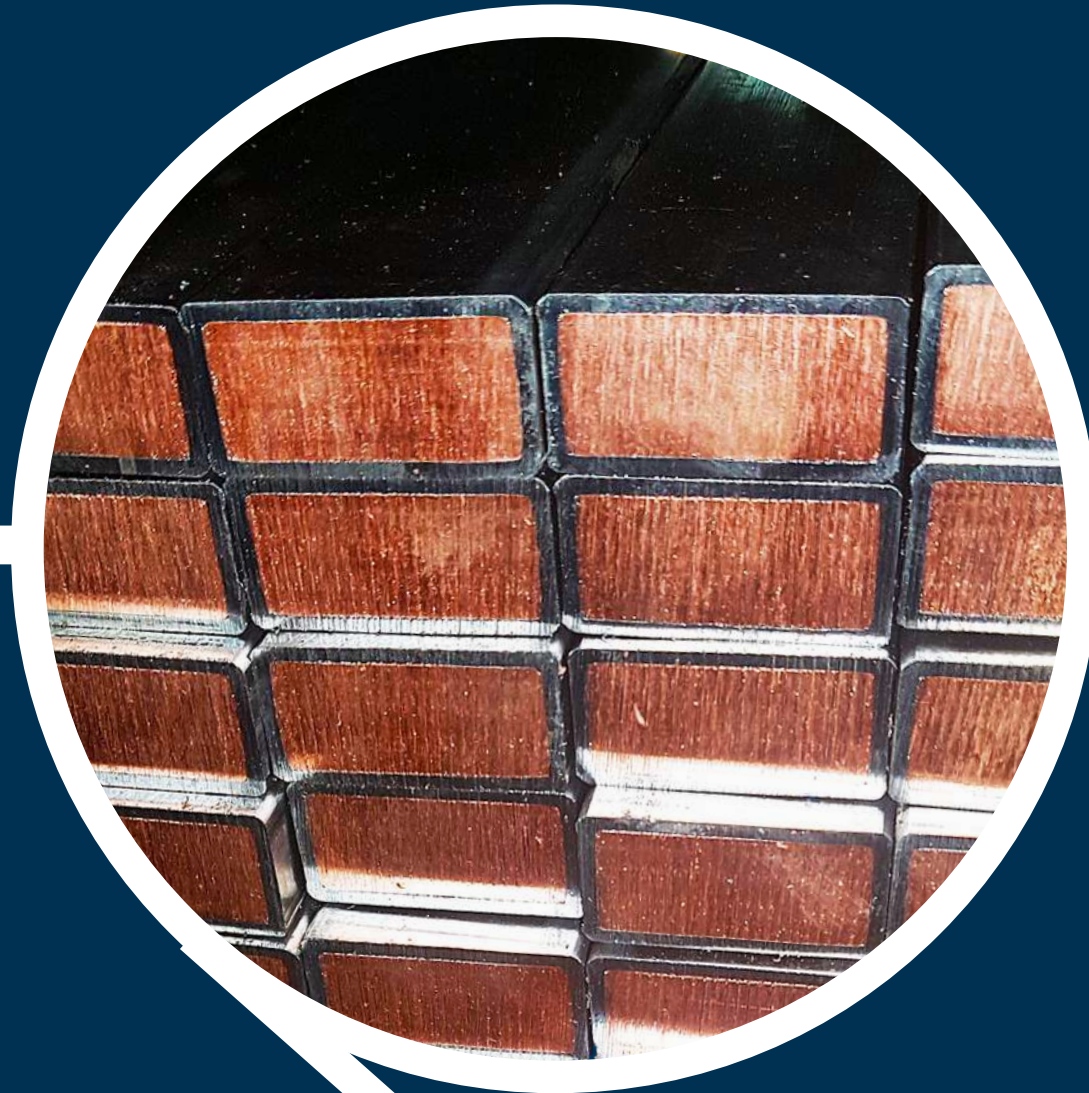
We are at the forefront of innovation in electrowinning technological advancement.



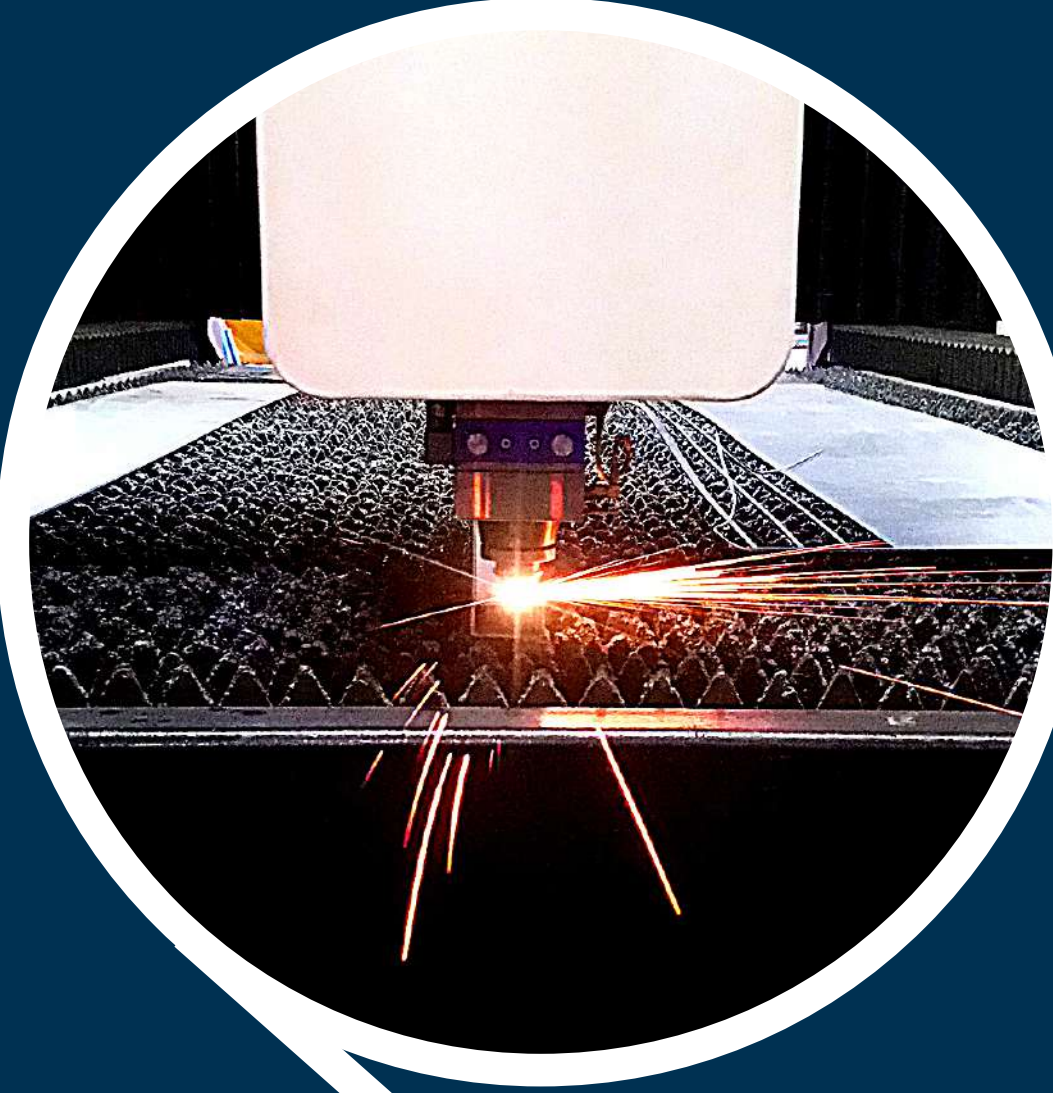
MAXIMISING YOUR MINERAL OUTPUT



**Enhanced
Recovery**



**Consistent
Quality**



**Innovative
Technology**



**Low Cost
Maintenance**

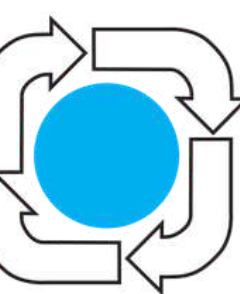


**Optimised
Efficiency**



**Flexible
Solutions**

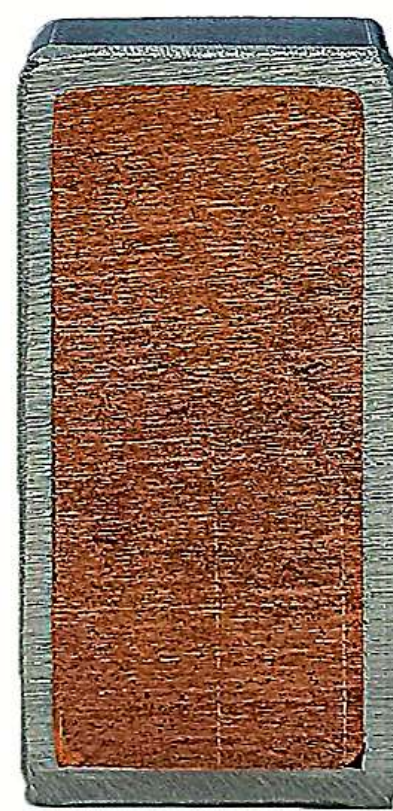
 **filtaquip** (Pty) Ltd
Mineral Processing Solutions



ELECTROWINNING CATHODES

Oxygen Free Solid Copper Hanger Bar Coextruded with Stainless Steel 316L

- **Lower Resistance** from the Oxygen Free Copper Bar
- **Encased** in 316L Stainless Steel
- **Higher Electrical Conductivity**
- **Lower Possibility of Pitting**
- **Longer Lifespan**



Track & Trace

- Each cathode hanger bar is engraved with a **Label & Number**
- Easily **Find & Monitor** specific cathodes

FILTAQUIP SAM5345-2020 CAT610/5300

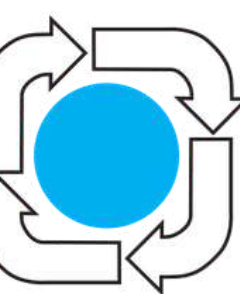
Robotic Weld

- Ensures a consistent **High-Quality Weld**
- **Reduced Possibility of Human Error**
- **Direct Welding 316L to 316L** provides a more robust weld due to a similar metal weld

WE SUPPLY
Stainless Steel 316L
Duplex Stainless Steel
Titanium
Aluminium

Stainless Steel 316L Blades

- Only the **Highest Quality 316L Steel** sourced from Outokumpu
- **Reduced Carbon Content** diminishes pitting of blades
- Manufactured for **Longevity & Durability**



HANGER BAR REPLACEMENT

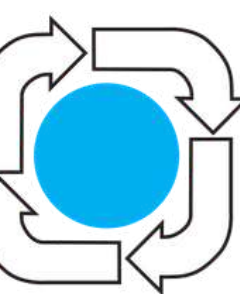
WE SUPPLY
Hanger bar
replacements while
using the existing
cathode blade

- **Reduce** capital costs

- **Recycle** good quality blades
with Filtaquip hanger bars

- Filtaquip hanger bars
weld directly to existing
cathode blades

- Filtaquip fabricates hanger
bars to suit every application

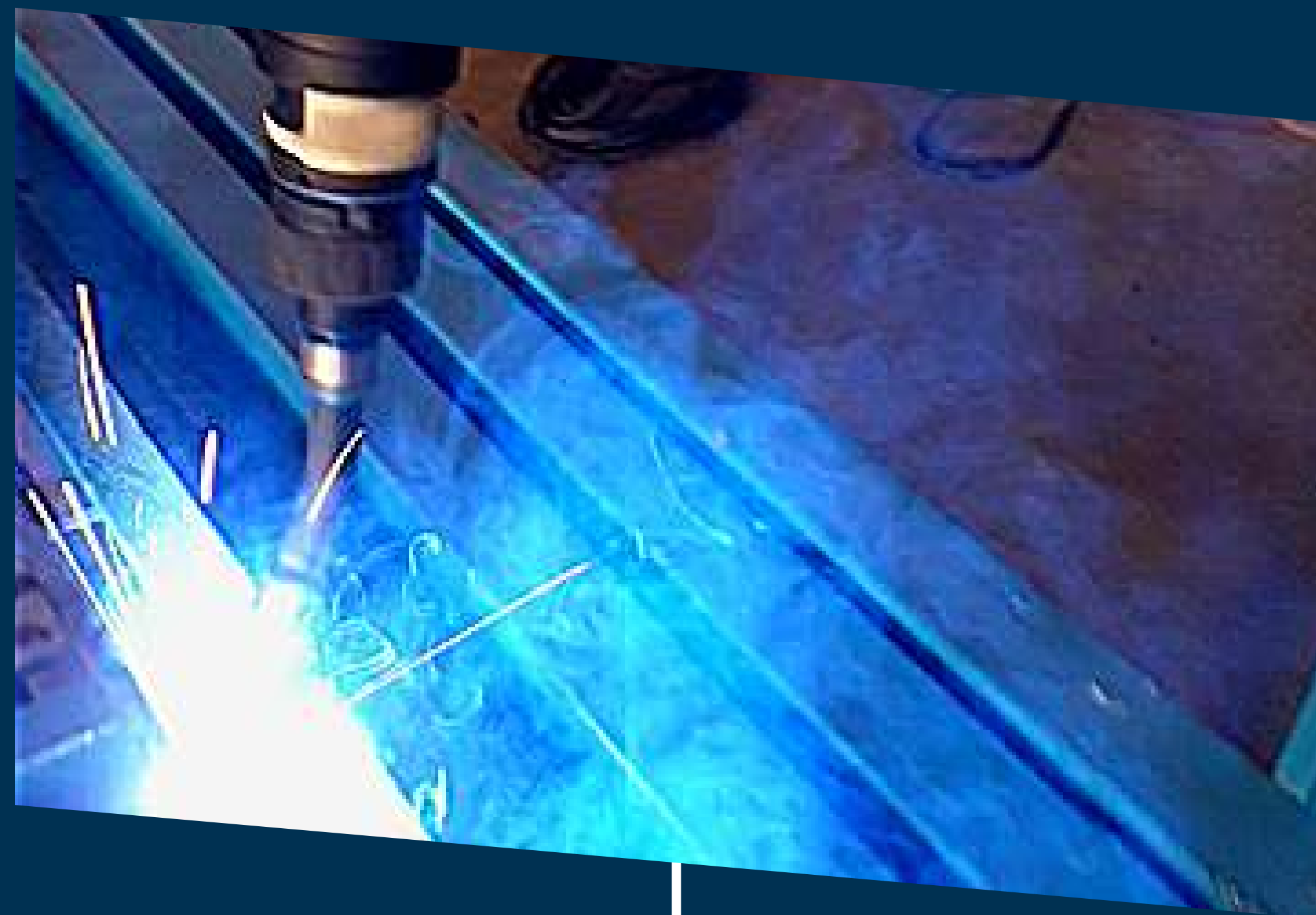


INNOVATIVE MANUFACTURING



Manufacturing Facilities

- Improved **Reliability & Optimised Design**



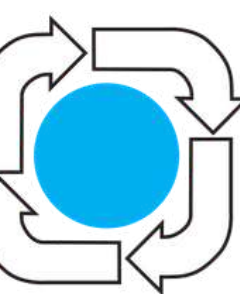
Precision Engineering

- **Guaranteed Quality & Consistency** from Filtaquip products.



Quality Assurance

- Filtaquip ensures all products supplied meet the stringent quality benchmarks which are guided by our **ISO 9001:2015 Accreditation**.



CATHODE STRIPPING MACHINES

WE SUPPLY
Semi- Automated &
Automated
Stripping Machines

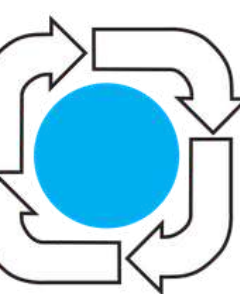
- Filtaquip offers **Optional Extras** to expand the processes
- In Line **Automated Sampling**
- **Automated Stacking & Packing**

Efficient & Safe Removal of product from the cathode blade

Reduce The Risk Of Damage
Optimally designed to ensure low force loads on cathodes

Custom Designed to meet production requirements

Multiple stripping methods available



ADDITIONAL AUTOMATED EQUIPMENT



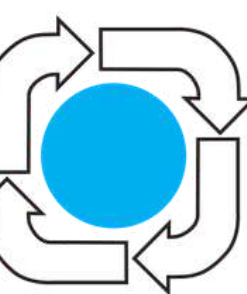
**Automated
Bagging System**



**Manual CMS
Machines**



**Automated
Stacking & Packing**



ELECTROWINNING CELL TOP FURNITURE

CAPPING BOARDS

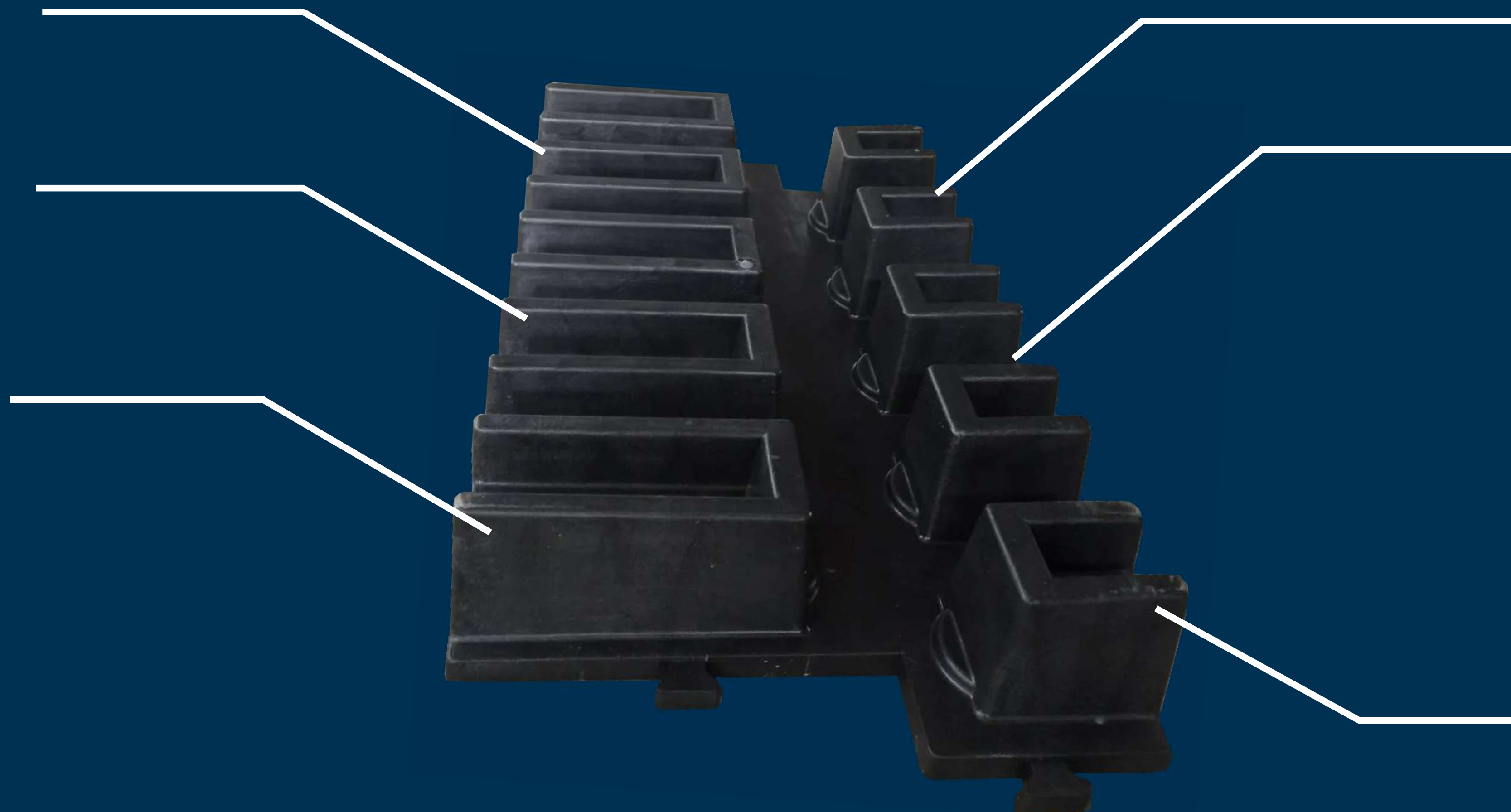
Suitable for Electrowinning & Electrorefining Processes

Modified for
Excellent Dimensional Stability

Vinyl Ester Material ensures
Corrosion, Heat & Impact Resistant

Minimise Damage to electrowinning cells & allow for easy handling of electrodes

Custom Fabrication to requirements & application



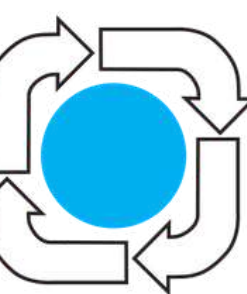
WE SUPPLY
Custom, Rigorously
Tested & High
Quality
Capping Boards

BUSBARS

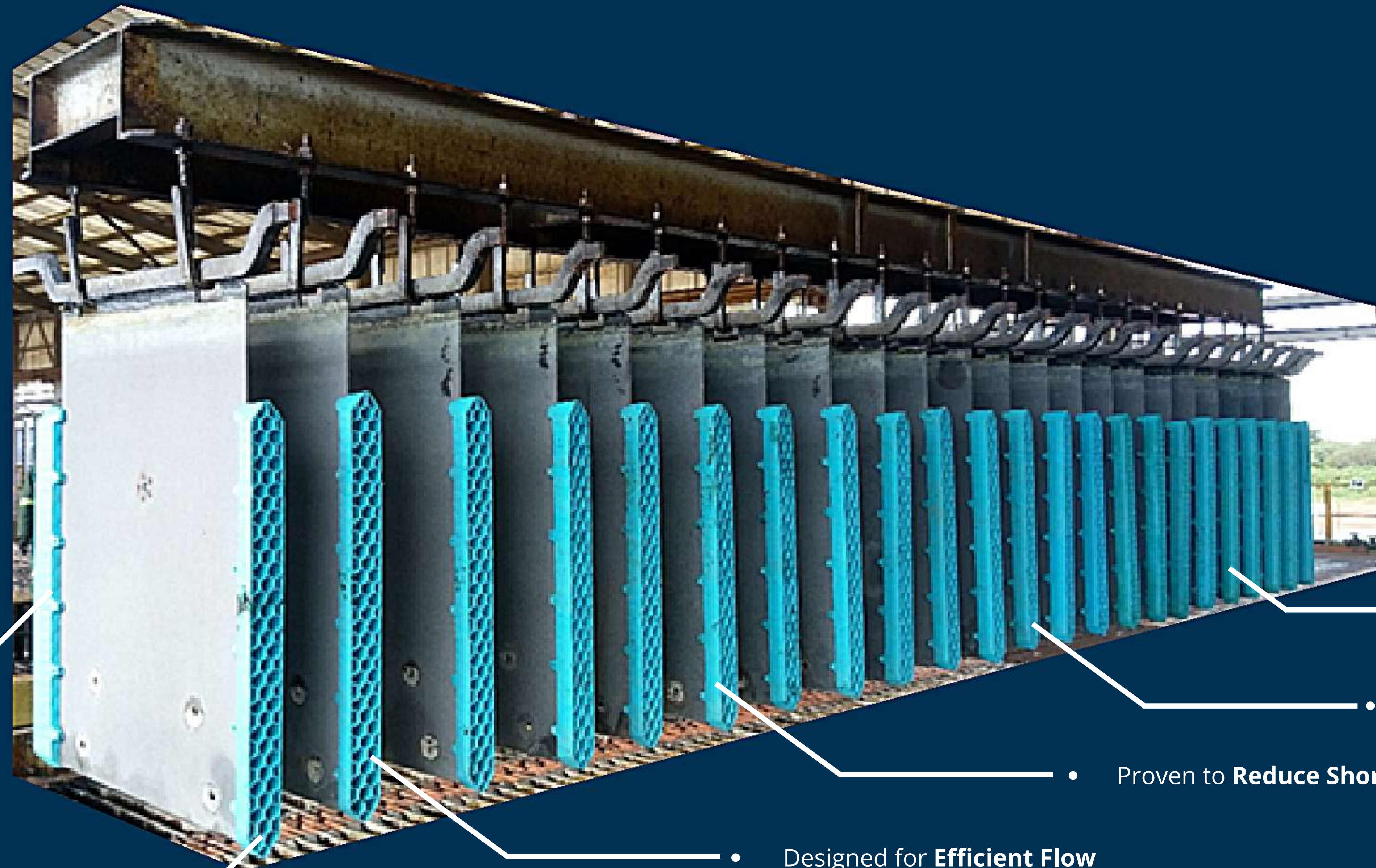
The Right Choice for
Electrowinning & Electrorefining
Processes



Manufactured as per
design requirements &
application



ELECTROWINNING ANODE INSULATORS



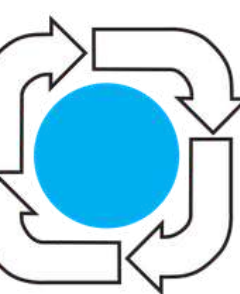
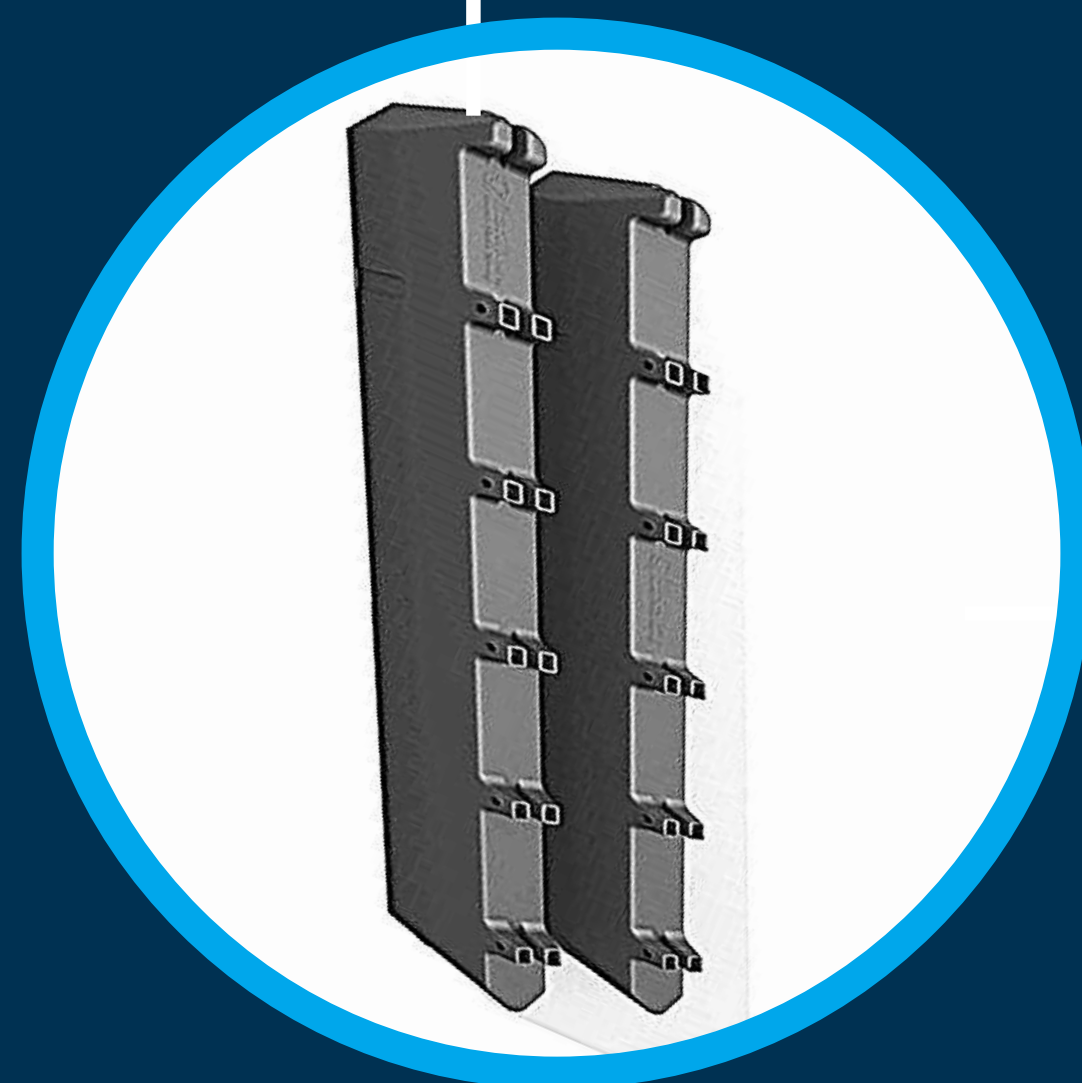
- Improve Current Efficiency & Recovery

- Reduce the formation of nodules

- Proven to Reduce Short Circuiting

- Designed for **Efficient Flow**

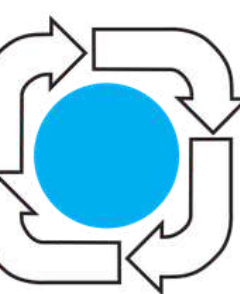
- Filtaquip will **Customise Insulators** for all applications



ELECTROWINNING FRAMES



- Filtaquip electrowinning frames are proven effectively in **Internationally Recognise** refineries
- Modified polymer **Provide The Necessary Stability** in high temperature, highly corrosive & impact prone environments.
- Each frame manufactured by Filtaquip is **Quality Checked** before being implemented
- Filtaquip **In-house Manufactured** frames are fabricated to specifications



ELECTROWINNING MEMBRANE BAGS

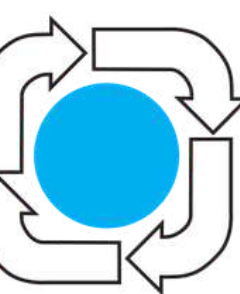
Anode Bags

100% POLYESTER HIGH-TWIST YARN
Customised Membrane Bags. Quality Manufactured &
Rigorously Tested by Filtaquip



Cathode Bags

Low Permeability material assists in providing optimum pH
conditions for metal growth.



COMPLETE SOLUTIONS PROVIDER

Longer life span cycle

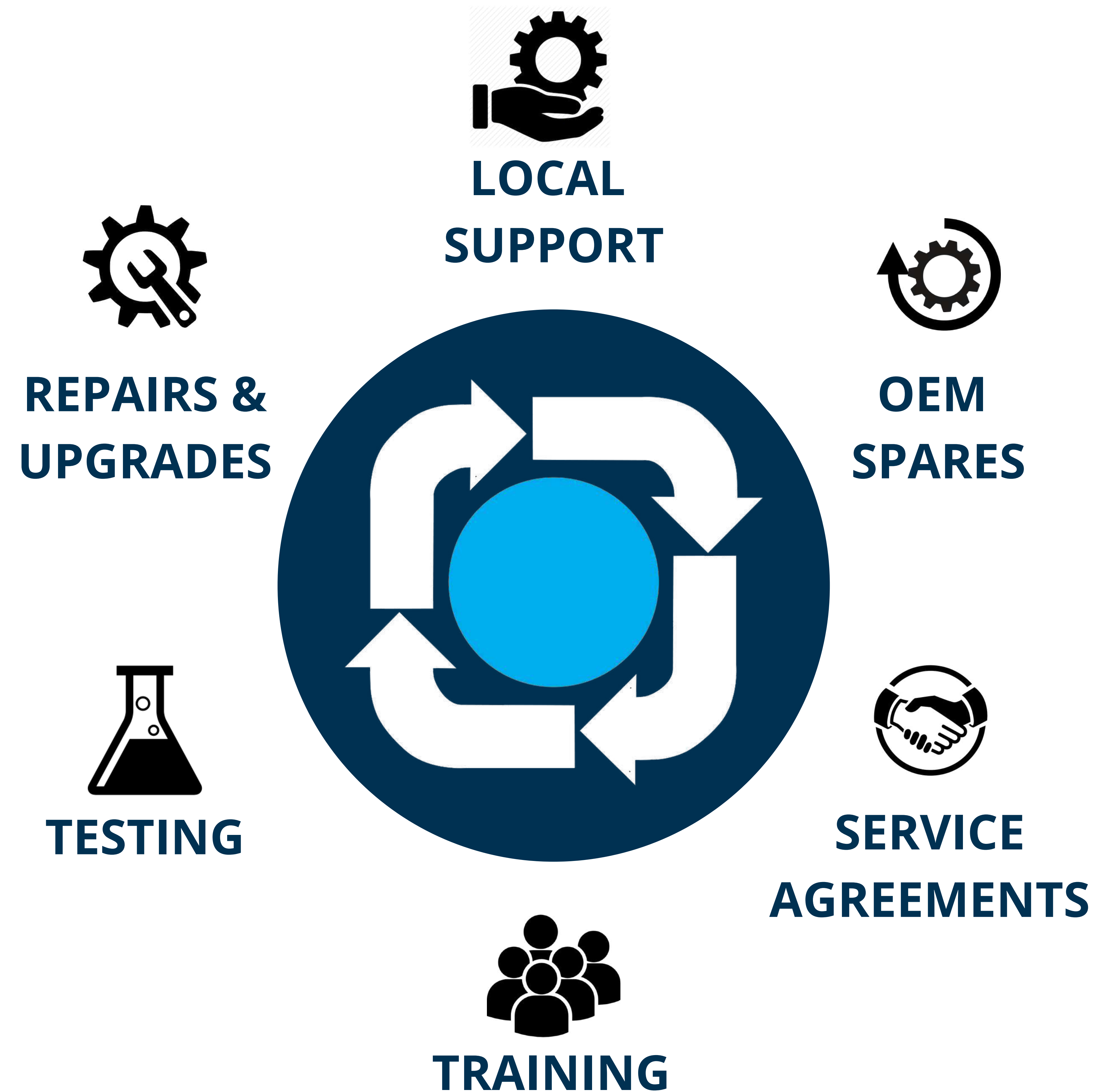
Quick processing and implementation

Maintenance with repairs and upgrades

Customised implementation for applications

High expertise delivered in multiple countries worldwide

Management from Start to Finish no matter the challenge



CONTACT US



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East Rand Mall



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Mineral Processing Solutions

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+27 (0) 11 397 2121

Email us

sales@filtaquip.co.za

Enquire

www.filtaquip.com

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17 Bisset Road, Hughes Ext 5 Jetpark, Gauteng

Find Us

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