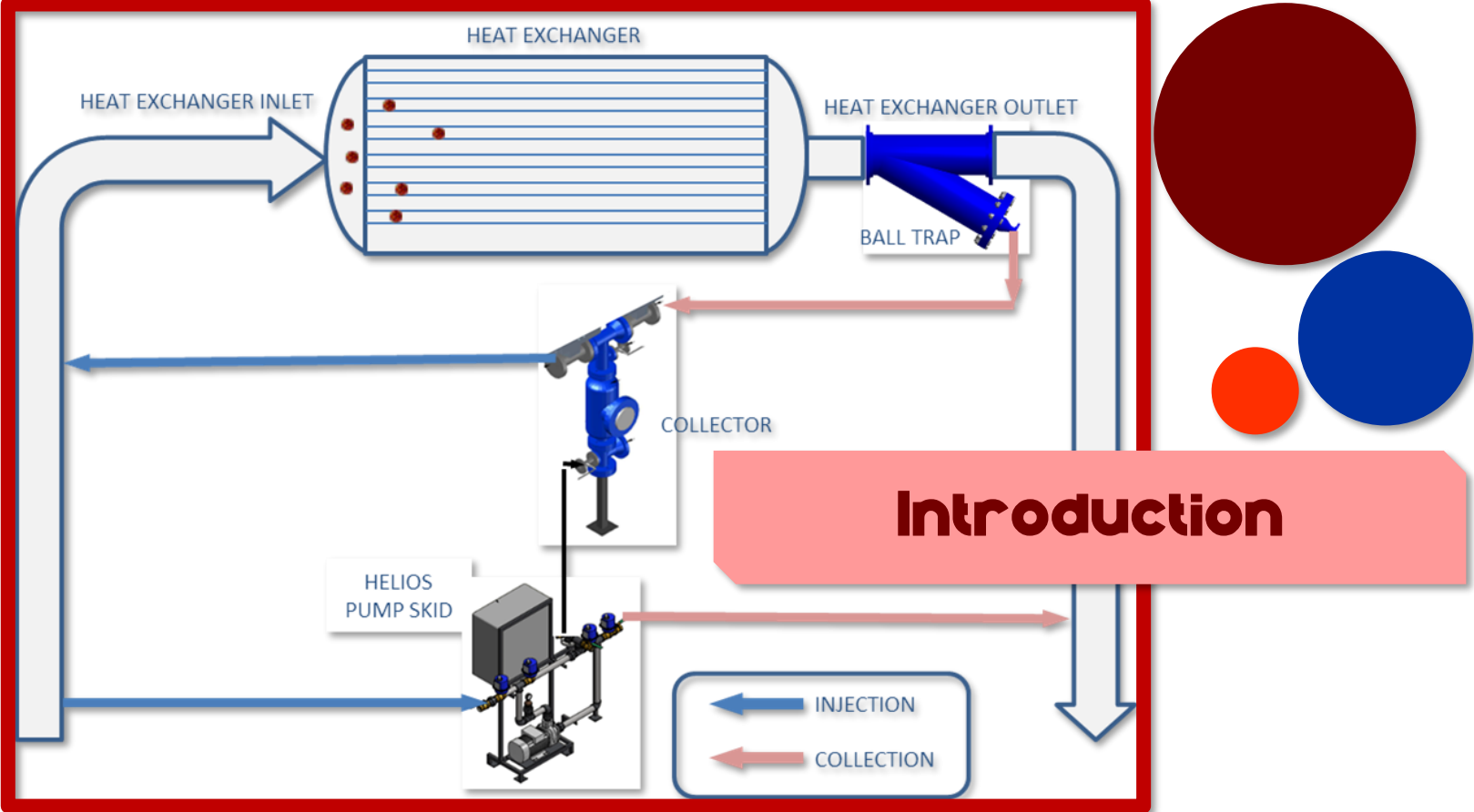


## **Automatic Tube Cleaning Profile**

*Smet Jet Africa – Industrial Cleaning Solutions*

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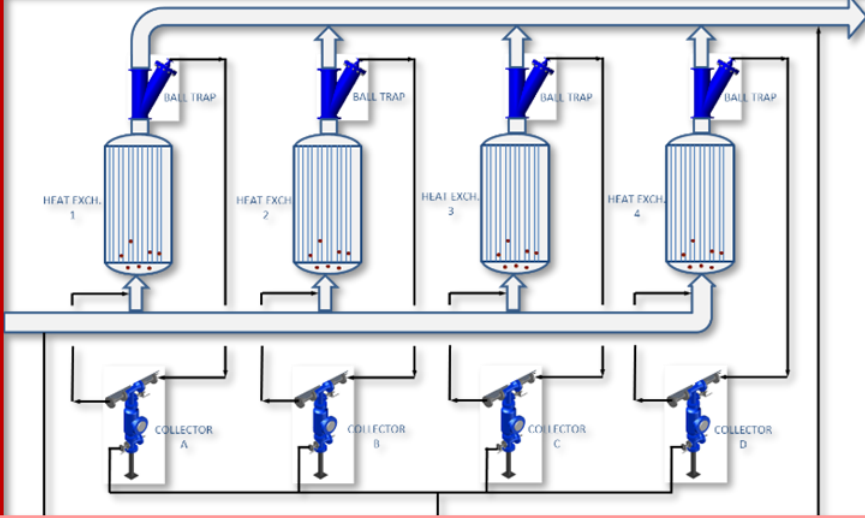


At Smet Jet Africa, we are proud to offer an advanced solution for maintaining the cleanliness and efficiency of heat exchanger tubes: our Automatic Tube Cleaning System (ATCS). This innovative system ensures that your heat exchangers operate at peak performance with minimal manual intervention.

Our ATCS works by injecting specialized cleaning balls into the cooling water flow at set intervals. These balls travel through the tubes, scrubbing them clean of debris, scale, and biological fouling. After completing the cleaning cycle, the balls are trapped at the outlet of the heat exchanger, ready for the next cycle. This automated process eliminates the need for labor-intensive manual cleaning, significantly reducing downtime and labor costs.

Installation of the ATCS is straightforward and efficient, typically requiring less than 20 man-hours and only 8 hours of process shutdown. Designed to integrate seamlessly with existing pipe runs, our system offers a variety of ball traps in different shapes and flow configurations to fit any installation space.

At Smet Jet Africa, we are committed to providing cutting-edge solutions that enhance operational efficiency and sustainability. Our ATCS exemplifies this commitment, offering an innovative, efficient, and cost-effective approach to heat exchanger maintenance. Trust us to deliver exceptional performance and unparalleled value, ensuring your heat exchangers operate at their best.



**Before**



**After**

## Our Services

Explore our comprehensive range of ATCS services designed to address all aspects of equipment maintenance and enhancement:

### Consultation and Assessment

Our team conducts a thorough on-site evaluation of your current heat exchanger setup, analyzing your cooling water system requirements to provide custom recommendations for the most suitable ATCS configuration.

### System Design and Customization

We offer tailored design solutions for the ATCS, ensuring it fits specific heat exchanger models and configurations. This includes customizing cleaning ball types and ball trap designs to match your operational needs.

### Installation Services

Our professional installation services ensure a seamless integration of the ATCS, typically requiring less than 20 man-hours and only 8 hours of process shutdown. We coordinate with your plant operations to minimize downtime.

### Commissioning and Testing

We perform comprehensive system testing to ensure proper functionality, verify performance, and guarantee optimal cleaning efficiency. Additionally, we provide training for maintenance staff on system operation and troubleshooting.

### Maintenance and Support

Regular maintenance checks and system calibration are part of our support services. We offer on-demand technical assistance, as well as the supply of replacement cleaning balls and components to keep your system running smoothly.



## **Monitoring and Reporting**

Our continuous monitoring services track ATCS performance, collecting and analyzing data to ensure cleaning effectiveness. We provide periodic reports on system performance and offer recommendations for improvements.

## **Upgrades and Enhancements**

Stay ahead with our system upgrade services, incorporating the latest technological advancements. We also retrofit existing systems to improve efficiency and performance, and can expand the ATCS to cover additional heat exchanger units.

## **Training and Education**

We offer comprehensive training programs for your operational and maintenance staff, including educational workshops on the benefits and operational principles of the ATCS, along with ongoing education on best practices for heat exchanger maintenance.

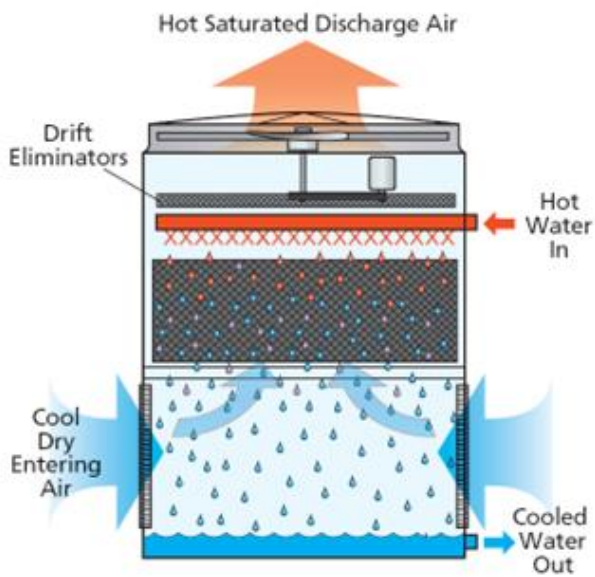
## **Emergency Services**

Our rapid response teams are available for emergency repairs and troubleshooting, providing 24/7 critical support to resolve any issues promptly and efficiently.

## **Sustainability Consulting**

Optimize your ATCS for energy efficiency and sustainability with our expert advice. We offer strategies to reduce water consumption and chemical usage in cleaning processes, supporting your efforts to achieve environmental compliance and sustainability goals.

By offering these services, Smet Jet Africa ensures that clients receive a comprehensive solution for maintaining the cleanliness and efficiency of their heat exchanger tubes through the advanced Automatic Tube Cleaning System.



## Key Benefits

The ATCS is extensively employed across diverse industries because of its efficiency in eliminating contaminants and maintaining equipment performance. Here are some primary reasons for its use:

**Precision and Efficiency:** SJA's skilled professionals employ a meticulous approach to ensure comprehensive cleaning and maintenance of equipment. We actively listen to our clients, maintain transparent communication, and leave no stone unturned. Our unwavering focus on detail aims to consistently surpass expectations.

**Advanced Techniques:** SJA leads the industry in innovation, continuously exploring and adopting innovative equipment and advanced cleaning methods. Our commitment to staying at the forefront ensures that our techniques deliver consistently exceptional results, providing added value to our valued clients.

**Trustworthiness:** Professionalism is the cornerstone of our operations at SJA. We prioritize exceptional service, open communication, and strong client relationships. Our highly trained team ensures compliance with industry standards, fostering trust and confidence in our services.

**Tailored Solutions:** At SJA, we prioritize client satisfaction with round-the-clock availability and a two-hour response time, ensuring prompt attention to needs and minimal disruption to business operations. Efficiency is paramount as we deliver high-quality service swiftly, minimizing downtime and recognizing the critical importance of time in our clients' operations.

**Cost-effectiveness:** SJA excels in delivering cost-effective solutions through meticulous and efficient project management, effectively reducing both time and expenses associated with equipment cleaning and maintenance. Our steadfast commitment to minimizing downtime not only ensures the durability of your equipment but also yields substantial reductions in operational costs.

**Enhanced Safety:** Safety is paramount at SJA, as we prioritize the well-being of our employees, clients, and the environment. With an impeccable safety record in a hazardous industry, we adhere rigorously to stringent safety protocols and leverage automation wherever feasible to mitigate risks effectively.



**Get in touch!**

Ready to experience the power of ATCS for your cleaning needs? Contact us today to schedule a consultation and discover how our environmentally friendly and efficient solutions can benefit your business.

**Contact Information:**

 **Phone:**

- Business Hours @ (+27) 66 065 7719 || (+27) 61 532 3810
- After Hours @ (+27) 82 824 8813 || (+27) 82 302 6826

 **Email:**

- [info@smetjetafrica.co.za](mailto:info@smetjetafrica.co.za)
- [schalkdw@smetjetafrica.co.za](mailto:schalkdw@smetjetafrica.co.za)
- [johnnyh@smetjetafrica.co.za](mailto:johnnyh@smetjetafrica.co.za)
- [leej@smetjetafrica.co.za](mailto:leej@smetjetafrica.co.za)

 **Website:**

- [www.smetjetafrica.co.za](http://www.smetjetafrica.co.za)

*Don't wait—take the first step towards cleaner surfaces and enhanced efficiency now!*



## Additional information

At Smet Jet Africa, we offer a diverse range of services tailored to meet your needs. In addition to ATC Systems, our comprehensive solutions encompass a variety of specialized services that includes:

- Water Jetting (HP Cleaning)
- Vacuum Cleaning
- ATCS
- Lazer Cleaning
- SME's (Subject Matter Experts) On Project Request

Embrace the transformative power of ATCS with SJA. Our advanced ATCS offer unparalleled precision, efficiency, and effectiveness. With a focus on innovation, safety, and cost-effectiveness, we deliver exceptional results across a wide range of applications. Trust SJA for superior ATCS solutions tailored to meet your unique needs, backed by our commitment to excellence and client satisfaction.

**Experience the difference with**  
**Smet Jet Africa**  
**Target Zero**