Smart Shutdowns

Increase plant uptime, manage risk and reduce waste

Today's heavy industry maintenance shutdowns, turnarounds and outages are incredibly complex projects to manage. Maintenance leaders are expected to juggle countless competing priorities all while ensuring a safe workplace, delivering quality work, meeting tight production targets, and managing costs.

Whether it's phasing shutdown events, sequencing major tasks, meeting challenging plant availability targets, or engaging and mobilising a diverse and highly skilled workforce, the challenges never stop.

The Smart Shutdowns platform has been designed to lift much of this burden through a blend of strategy, lived experience and technology.

We start by looking at the potential benefits and gains of fewer shutdowns, which include additional time for planning, increased plant uptime, and extended periods of plant stability.

A reduction in shutdown frequency will usually increase the scale and complexity of the remaining events and may require modifications to plant, alternative materials, or new technology.
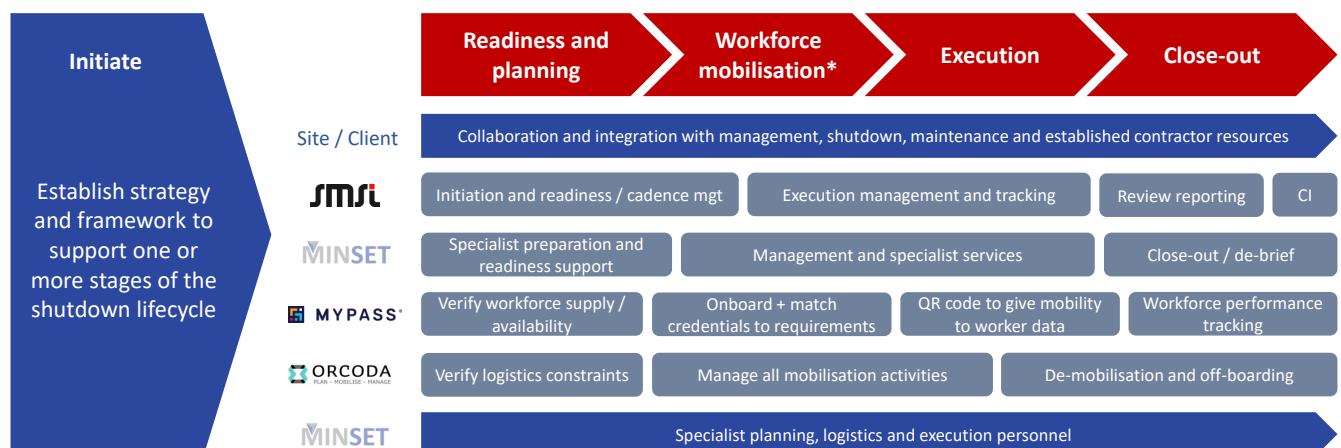
Smart Shutdowns technology platforms integrate with traditional CMMS (computerised maintenance management systems) and provide true end-to-end information management across the entire project.

Smart Shutdowns represent best practice, are fully scalable, enable organisations to standardise processes, and systematize knowledge and practices.

How does it work?

As a dedicated and integrated team, our people and systems work closely with each site's engineering, operations, and shutdown teams, assisting in the preparation, execution and close-out of shutdown events.

We start by assessing the existing strategy and systems, as well as reviewing outcomes and past performance. In most cases the initial work can be carried out off site. We then analyse each organisation's needs against the project's activities (included below) and design a tailored 'one stop shop' solution and road map.
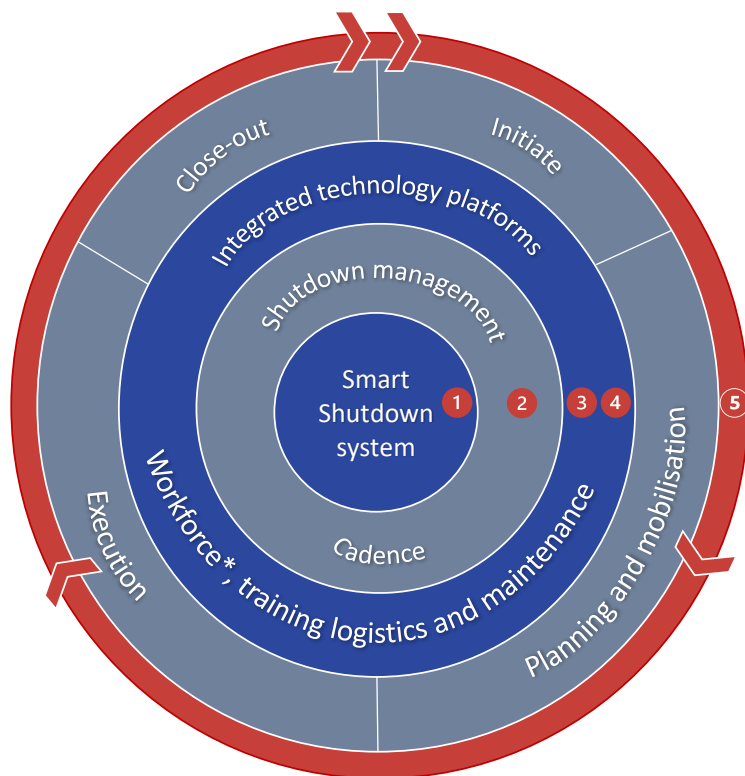
Initiate		Readiness and planning	Workforce mobilisation*	Execution	Close-out
Establish strategy and framework to support one or more stages of the shutdown lifecycle	Site / Client	Collaboration and integration with management, shutdown, maintenance and established contractor resources			
	SMSI	Initiation and readiness / cadence mgt	Execution management and tracking		Review reporting / CI
	MINSET	Specialist preparation and readiness support	Management and specialist services		Close-out / de-brief
	MYPASS	Verify workforce supply / availability	Onboard + match credentials to requirements	QR code to give mobility to worker data	Workforce performance tracking
	ORCODA	Verify logistics constraints	Manage all mobilisation activities		De-mobilisation and off-boarding
	MINSET	Specialist planning, logistics and execution personnel			

*Includes client and/or outsourced resources

Smart Shutdown Elements

The Smart Shutdowns solution comprises four like-minded organisations performing five key elements.

Our team of experts and digital applications take the hassle out of everything from contractor resource management and workforce logistics, to work management and event close-outs.

Smart Shutdowns also offer an unprecedented level of visibility and transparency. Shutdown managers and area decision-makers receive the real-time guidance and information they need to make the right technical decisions on the ground.

*Includes existing client and/or outsourced resources

1 SMSi	2 MINSET	3 MYPASS®	4 ORCODA
An integrated digital management system for use during all shutdown phases.	A suite of management services to support maintenance shutdown development, execution and close-out.	A web-based application for the identification, verification, and management of shutdown contractor resources.	An integrated digital platform to manage shutdown contractor workforce logistics.

5 MINSET	Recommends and regularly works with proven technical specialists who perform critical and high-risk support functions including crane operations, scaffolding, working safely at heights and in confined spaces. Planning, scheduling, logistics and specialist safety services are also available.

Want to know more?

If you would like to know more about Smart Shutdowns, contact one of our Smart Shutdown partners.

SMSi   MINSET   MYPASS®   ORCODA