Capital Market Update August 2023

Gaining traction!

Our journey to volume manufacturing and rapid deployment







- 1. MARKET UPDATE
- 2. FULL YEAR RESULTS
- 3. UPDATE ON 12-MONTH PLAN
- 4. NEW PRODUCT RELEASE
- 5. OUTLOOK

Market environment



- Climate, decarbonisation and energy independence imperatives have continued to fuel the projected hydrogen demand.
 The synchronised build-up of a worldwide hydrogen economy is underway at ambitious speed, opening vast demand opportunities
- The electrolyser market is still immature though, with only few technologies credible for commercial deployment, and many companies not yet tested in the market
- ITM now has the industry experience and capabilities to identify and execute the real projects
- We can conquer this market through:
 - > Robust and commercially proven products
 - Reference plants that give customers the confidence to invest into large-scale projects
 - Credibility to manufacture at the necessary scale, quality, and on time, which requires (semi-)automation, strong execution partners, and close collaboration with leading suppliers
- Today, ITM is the only PEM electrolyser company in the world entrusted to deliver several commercial 100MW plants. We are supplying into projects for industry leaders such as Linde, RWE, Shell, Yara, Infineon and others, who have ambitious plans for the future
- Due to recent energy prices, inflation and slow funding decisions, some customers have delayed their final investment decisions
- As such, the big demand spike is yet to come, and ITM will be ready!





2. FULL YEAR RESULTS

Spotlight: Revenue recognition



	ORDER	DESIGN SIGN-OFF & PROCUREMENT	MANUFACTURE	FAT	SHIPPING	INSTALLATION & COMMISSIONING	SAT	
CASH INFLOWS								
REVENUE								

- Revenue is recognised on completion of obligations which is typically "testing of a module"
- Typically, this is on Factory Acceptance Test (FAT)
- However, where there are split deliveries, revenue will lag against work completed for projects, with dependency on wider plant installation, meaning Site Acceptance Test (SAT)

Summary financials FY23



Recap (from January)

- Historically, ITM had chased an aggressive expansion strategy, based on technology leadership
- As such, ITM underestimated the competencies and capabilities required to transition from an R&D company to a volume manufacturer

Update

- We are halfway through our 12-month plan to address shortcomings experienced
- Operationally this is leading to tangible improvements with a quality-first approach to all activities
- Full effect not yet visible in the FY23 results, but first positive impact seen on cash and revenue

FY23 £m	Guidance Jan'23 £m	
283	245-270	
5.2	2.0	
4.1		
0.6		
0.5		
(94.2)	(85-95)	
	283 5.2 4.1 0.6 0.5	

Reasons for project and inventory losses unchanged from Jan update. Key drivers recap:

- Support of legacy products
- > No design freezes
- > Acceleration measures to mitigate delays
- More conservative warranty provisions
- Inflation and energy cost

Cash flow in period



Cash flow	£m
Opening balance	365.9
Adjusted EBITDA	(94.2)
Movement in provisions	31.2
Subtotal: EBITDA cash movement	(63.0)
Increase in inventories	(26.6)
Working capital improvements (receivables and payables)	17.5
Investment into factory automation and testing capacity	(8.6)
Investment into product development	(6.6)
Other	4.0
Movement	(83.3)
Closing balance	282.6

Movements in provisions		Warranty provisions have been made based on old product generation field data and applying
> Warranty (in-field)	£0.7m	best estimates to future product that has not
› Warranty (contracted) ²	£9.8m	yet been deployed for extended durations in the field.
> Contract loss provision	£20.3m	
> Other	£0.4m	Contract costs for commercial deployments previously underestimated.

Including WIP¹, reflecting progress on projects not yet recognised as revenue

First effect of 12-month plan's capital discipline efforts

Predominantly interest received

FY24 guidance: Driving for capability



Product portfolio

Capital discipline

Debottlenecking

Delivering against commercial projects

Maintaining **technology** advantage by R&D

Product development and validation

Enhancing **people capability**

Implementing automati

Facilities expansion (Shef

Rigorous cost managemen > 12-month plan costs

Exit of **Motiv**

EBITDA spotlight

> Project losses £nil

Manufacturing scale-up

> Overheads not absorbed

Contingency

Revenue of £10-18m

2-3x increase compared to FY23

EBITDA losses of £45-55m

Profitability improving with growing output/sales

Executing loss making contracts

(£5-8m)Pre-automation cost of quality

Will improve with volume (£30-35m)

(£5-7m)One-off costs transforming ITM

(£5m)

FY24 guidance: Driving for capability



Product portfolio

Capital discipline

Debottlenecking

Delivering against commercial projects

Maintaining **technology** advantage by R&D

Product development and validation

Enhancing people capability

Implementing automation roadmap

Facilities expansion (Sheffield, Linden)

Rigorous cost management and discipline

Exit of Motive

Revenue of £10-18m

2-3x increase compared to FY23

EBITDA losses of £45-55m

Profitability improving with growing output/sales

CAPEX £35-45m

Investments into expansion, automation, products

Cash at year end £175-200m

Strong balance sheet positioned for growth



3. UPDATE ON 12-MONTH PLAN

Recap: Our 12-month plan



As ITM is transitioning to a volume manufacturer, we are now **6 months into our 12-month plan to solidify our foundations** and have made **substantial progress** in our three focus areas:

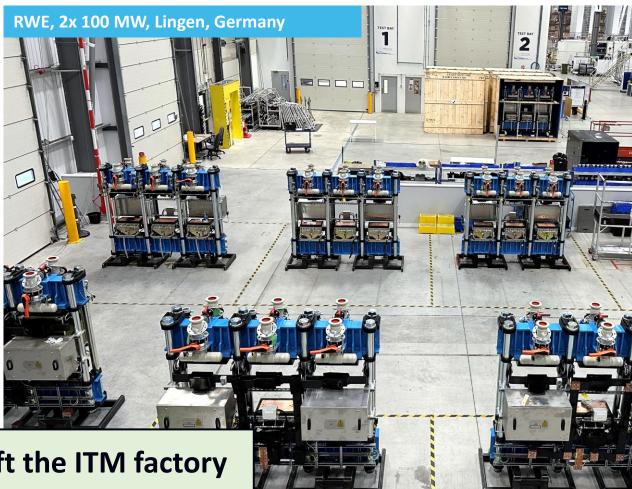
- 1 Concentrate on a standardised core product suite for repeatable and reliable volume manufacturing.
- 2 Improve capital discipline by a stringent cost reduction programme in the short-term, and by introducing professional processes for the future.
- 3 Debottleneck and scale fabrication and testing, and invest into incremental automation.

In parallel, we are **delivering** against our project commitments, thereby completing **important reference plants**.

Project impressions







In the last 6 months, more products have left the ITM factory than in the previous 22 years combined.



3. UPDATE ON 12-MONTH PLAN

⇒ PRODUCTS

Product portfolio substantially narrowed



Product	Description		
Hpac	LAM 15bar stack, 5 KW, Cabinet		
LEP 1 Container 20 bar	LEP 20bar stack, 100 KW, Plug & Play		
LEP 1 Container 30 bar	LEP 30bar stack, 100 KW, Plug & Play		
LEP 3 Container 20 bar	LEP 20bar stack, 300 KW, Plug & Play		
LEP 5 Container 30 bar	LEP 30bar stack, 1 MW, Plug & Play		
LEP 4 Distributed 30 bar	LEP 30bar stack, 700 KW, Building-integrated		
1MEP20EU Container	MEP 20bar stack, 700 KW, Plug & Play		
2MEP20EU Container	MEP 20bar stack, 1.4 MW, Plug & Play		
3MEP10EU Container	MEP 20bar stack at 10bar H2, 2MW, Plug & Play		
3MEP20EU Container	MEP 20bar stack, 2MW, Plug & Play		
3MEP30UKCA Container	MEP 30bar stack, 2MW, Plug & Play		
3MEP20-Cube	MEP 20bar stack, 2MW, Stack Module		
3MEP30 Cube	MEP 30bar stack, 2MW, Stack Module		
3MEP30 Container	MEP 30bar stack, 2MW, Plug & Play		
3MEP30 Stack Skid	MEP 30bar stack, 2MW, Stack & Skid		
3MEP30 Module	Repeatable standardised building blocks for scale-up		
3GEP30 Stack Skid	GEP 30bar stack, Stack & Skid		

Legacy products:

The services we provided to support older generation technologies were disruptive to our engineering and manufacturing processes and had become too costly.

Actions:

- Product development and ongoing design improvement work discontinued
- Marketing and selling stopped
- Remaining contractual commitments and warranty obligations in fulfilment
- Aftersales only selectively for later product generations to avoid distracting the organisation

Focus products

Paused

Products rationale



Stack Skid



CORE PRODUCT

- 2MW per skid
- 30 bar hydrogen pressure
- High performance
- Application agnostic
- Maximum value addition
- Repeat build, routine testing
- Increasing automation
- Strong technology pipeline





Plug & Play Container

FULLY INTEGRATED ELECTROLYSER

- 36kg/h & high purity
- Standalone automated operation
- Supplied with power conversion system
- >20MW in execution

Cube

PACKAGED STACK SKID

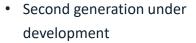
- 36kg/h per unit
- For integration into mid-sized plants
- >50MW in execution

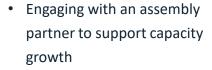
Modular Deployment

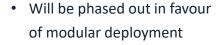
CORE ELECTROLYSIS PROCESS UNIT

- 360kg/h per module
- Simplified EPC integration
- >200MW in execution

Outlook







 Learnings applied to modular deployment



· Flexible execution model for large-scale projects



Leading stack technology



ITM's MEP30 stack technology is the most advanced on the market today selected reasons:

- Highest current density, reducing footprint and cost
- Leading conversion efficiency at levelised current density, reducing operational cost
- Lowest reported precious metal loading, reducing cost

Metric	Unit	EU Target 2030 ¹	ITM Power 2023 ²	Status
Current density	A/cm ²	2.5	3.3	
Efficiency @2.5A/cm ²	KWh/kg	50	50	
PGM use as catalysts	mg/W	0.4	0.4	

Strong R&D pipeline for further technology improvement



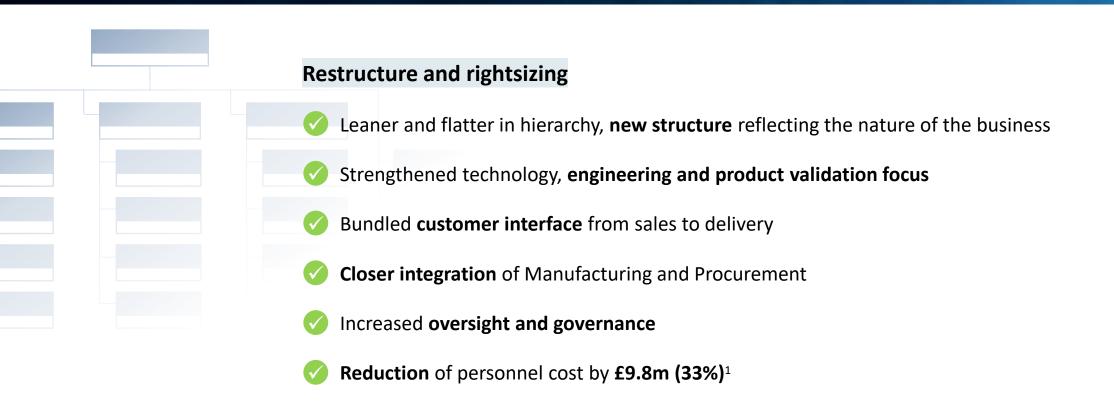


3. UPDATE ON 12-MONTH PLAN

⇒ CAPITAL DISCIPLINE

Organisational refinement





Solidifying our foundation (selected examples)



Mitigation of future inventory losses

Design

- Professionalise engineering (capabilities and processes)
- Introduce design freezes and stringent management of change
- Strengthen compliance and validation with veto/sign-off right to challenge engineering status
- Formal validation-based product (generation) release for sales, procurement and fabrication
- Introduce state-of-the-art calculation/simulation tools

Sourcing



- Improve supplier audits and oversight incl. on-premise inspection and witness testing reflecting risk profile
- Strengthen standard T&Cs, incl. volume and specs flexibility, and back-to-back warranty with suppliers

Fabrication and warehousing



- Enhance parts traceability from incoming to shipping
- Live quality over quantity mindset during build
- Improve implementation of and work to new ERP system

Mitigation of future project cost overruns

Product portfolio and sales governance



- Enhance discipline around selling standard products as opposed to customised solutions
- Comprehensive costing and pricing incl. realistic schedule and risk estimation
- Review contract terms, incl. liabilities, performance guarantees, warranty, etc

Project governance



- Introduce stringent phase gate process strictly adhered to
- Strengthen accountability across the business, and reset project managers role profile and expectations
- Substantially improve quality of project cost and risk reporting
- Advance core project management processes and governance
- Improve contract change management

Spotlight: Progress MEP30 stack production



Improvements to stack build are having the desired effect:

- Design FMEA improvements to product
- Automation/semi-automation of various production steps, assembly aided by laser-scanning and advanced camera and sensor technology
- Stringent "Quality over Quantity" policy

Higher pass rates are leading to:

- Lower (re-)testing costs
- Debottlenecking of test facilities
- Fewer interruptions to serial manufacturing (stack re-assembly)
- Higher predictability of production and project delivery schedule
- Reduced need for material storage

Spotlight: Progress MEP30 stack production

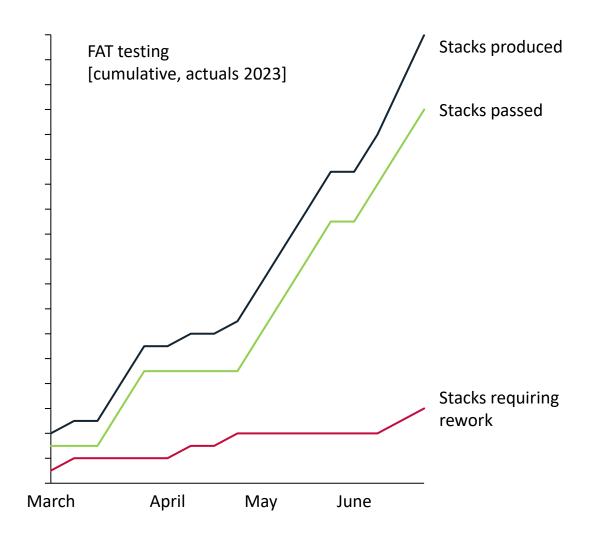


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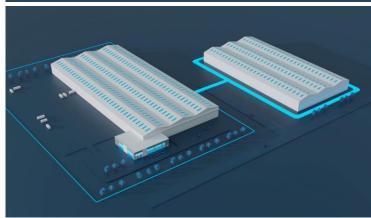
3. UPDATE ON 12-MONTH PLAN

⇒ DEBOTTLENECKING/SCALING

Facilities expansion







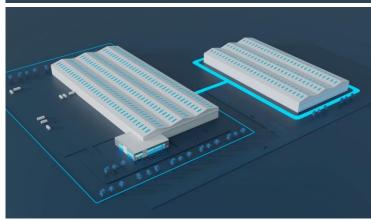
- Expansion of Sheffield facilities well underway to make space for R&D and product validation incl. science labs and first-of-a-kind product testing facilities
- Allows improved factory layout for stacks from an evolved to a highly optimised one
- Also provides increased fabrication space for higher stack volumes
- > ITM to take over facilities in Nov. 2023 for interior fit-out



Facilities expansion

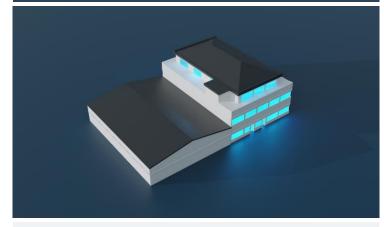






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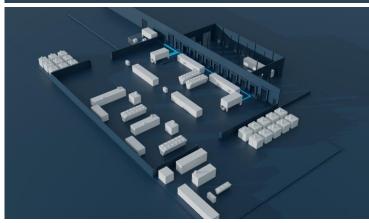
- > Located in Linden, central in GER and EU
- Will host various business functions which are enablers to ITM's accelerated growth
- Main aftersales hub for Europe with facilities to store and quickly deploy stacks
- Gearing up for increasing local content creation in the EU
- → Official opening in Oct. 2023

Testing and automation





Testing and power supply



- Phased approach to increase test bay capacity to satisfy project needs;
 more than doubling in 12 months
- 50% increased electricity supply from5 to 7.5 MVA as first step
- Further increase to 30 MVA already secured; will be available in second half of 2024

Testing and automation





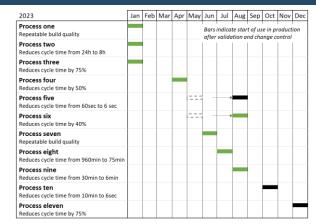
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Fabrication automation



- Automation roadmap in implementation, improvements affecting cycle times and build quality
- Incremental deployment into live production after robust validation
- Some supplier-driven delays experienced, but well managed by ITM team; overall well on track



4. NEW PRODUCT RELEASE



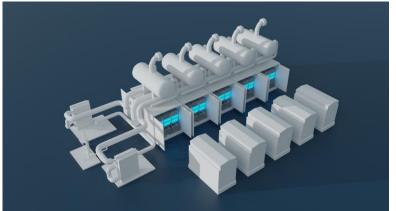
Modular deployment





POSEIDON module



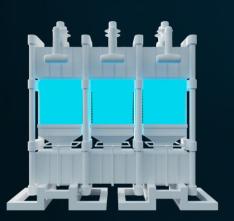


- > Standardised 20 MW core electrolysis process module with optimised footprint
- > Replicable for scaling up, suitable for indoor and outdoor installation
- > Consists of skid-mounted units, which can pre-fabricated and pre-tested
- > Reduced deployment lead times and lower construction cost
- > Engineered incorporating **real-world lessons learned** from commercial projects
- Design ready for **integration into balance of plant**, enabling flexible execution work splits for **large-scale projects**



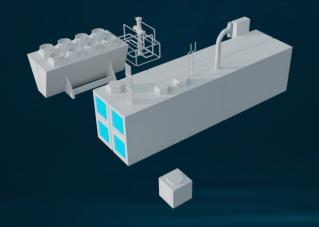


Leading PEM electrolyser stack technology



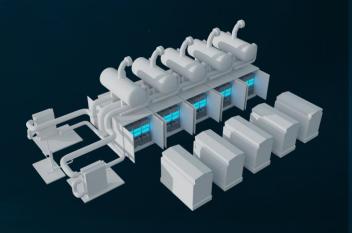


2MW Plug & Play electrolyser for small to mid-size projects





Cutting-edge 20MW module for large-scale projects

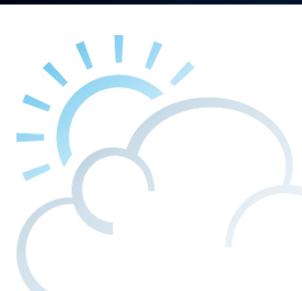




5. OUTLOOK

Outlook





Today, ITM looks very different from ITM 6 months ago.

We are **well on track** to solidify our foundations and will focus on:

- > Project delivery
- > Getting our house in order: second half of **12-month plan** implementation
- > **Scaling** with existing and new commercial projects
- > Unlocking **new territories**



Thank you for your attention!