Press Release for ITMA ASIA Singapore

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# From Smart Control to Zero Waste: SETEX sets the pace for 2025

## *Teaser*

Meet SETEX at ITMA ASIA, Singapore (28–31 Oct). Sustainability and efficiency decide orders today. Buyers ask for less CO₂, less water, clean data. SETEX delivers the process to match: predictive quality with SmartRecipe, active energy control and consistent KPIs from broad machine connectivity. KPIs and savings you can verify with OrgaTEX X3 and E390/C390 controller. See it live in Singapore, Hall H7 A204 (German Pavilion).

***Press Release (full version ~370 words)***

**Singapore, 28–31 October 2025. Hall H7 A204 (German Pavilion).**
Every kilowatt lost as steam and every extra minute in processing reduces margin and inflates the carbon footprint. SETEX shows how to turn that into measurable gain with adaptive, self-optimizing workflows. Decisions shift to the moment the batch is running. Quality stays predictable. Evidence is created as you work.

**Active Energy Management**

OrgaTEX captures electricity, steam and water per batch and steers usage in real time. Energy Cockpit records every watt, litre, and bar. Live Resource Analysis predicts the next peak energy demand, Plant Navigator reduces the peak before it arrives. The result: lower kWh and water per lot, proof for CO₂ goals and the Digital Product Passport requirements. These mechanisms are embedded in OrgaTEX MES logic, turning energy from a static KPI into a self-adjusting feedback cycle.

**SmartRecipe for predictive quality that preserves know-how**

Predictive quality that keeps know-how in the company. Instead of maintaining dozens of near-duplicate recipes for each shade, load size, machine, or fiber blend, SmartRecipe uses one self-adapting process per dye class. **Formula Wizard** applies expert rules so liquor volumes, ramps and holds adjust to article, dyestuffs and machine limits. Target shade is reached with fewer corrections, processing time drops. Operator changes do not restart the learning curve.

**Connectivity and clean KPIs**

With enhanced OPC UA, OrgaTEX X3 sends planned production orders, released recipes and adjusted parameters straight to C390 controller for machine loading. In real time, the controller returns stop reasons (including unplanned), alarms and batch consumption to OrgaTEX. Result: no OEM-specific coding, faster changeovers, fewer manual entries, and consistent, verifiable records for brands and labels such as Higg FEM, ZDHC, bluesign, OEKO-TEX STeP or ISO 14001, plus CO₂ and resource evidence you can share with customers.

**Within the Textile Solutions Group (TSG)**

As a founding member of the Textile Solutions Group, SETEX extends the same data backbone into ERP, CAD, inspection and routing, so a mill that starts with one smart controller can grow, step by step, into a fully connected value chain.

Built in Germany. Deployed worldwide.

Meet SETEX in Singapore. Hall H7 A204 (German Pavilion). Bring your current bottleneck. We will map a path to measurable improvement.

***Press Release (short version 270 words)***

**Singapore, 28–31 October 2025. Hall H7 A204 (German Pavilion).**
Every lost kilowatt and every re-dye cuts margin and raises the footprint. SETEX turns those losses into measurable gains with adaptive, self-optimizing workflows. Decisions move to the moment the batch is running. Quality stays predictable. Evidence is created as you work.

**Active Energy Management**

Energy Cockpit tracks electricity, steam and water usage in real time and live predicts resources before peaks arrive. Result: lower kWh and water per lot with proof for CO₂ goals and Digital Product Passport requirements.

**SmartRecipe**
Predictive quality that keeps know-how in the company. One self-adapting process per dye class replaces libraries of near-duplicate process-recipes. The Formula Wizard applies expert rules to liquor ratio, ramps and holds, dyestuffs and machine limits. Result: target shades with fewer corrections, shorter processing times, and stable outcomes - even when teams change.

**Connectivity and clean KPIs**
With enhanced OPC UA on the C390 controllers, the OrgaTEX X3 Planboard sends orders, released recipes and process setpoints to stenter, compactor, and more. No OEM-specific coding. Result: faster changeovers and fewer manual entries.
Planned/unplanned stops, alarms, dosing calls and energy/water consumption per meter or lot are captured consistently, providing verifiable records for CO₂/resource evidence

**Within the Textile Solutions Group (TSG)**
As member of the Textile Solutions Group (Hall H8 C403), SETEX extends the same data backbone into ERP, CAD, inspection and routing, so a mill that starts with one smart controller can grow, step by step, into a fully connected value chain.

German roots. Global results in 65+ countries.
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## Further information

[www.setex-germany.com](http://www.setex-germany.com).