

WHITE PAPER: Tackling Thermal System Complexity: The Promise of ATS™

By: - April 18, 2022

Summary

The benefits of precise thermal control also come with an engineering challenge: Keeping the complexity of the system in check while addressing issues of thermal uniformity and system responsiveness. **Adaptive Thermal Systems® (ATS™)** is a suite of technologies designed to combine heating, sensing and control technologies to meet this challenge, and reduce the wiring and space requirements of diverse systems while improving real-time sensing, diagnostics and control.

Download White Paper (/-/media/documents/white-papers/wp_what-is-ats_0422.ashx?la=en&hash=1E7D7E203B0D3AA80EEC2991D69B9AD73C275980)

The image shows the cover of a white paper. At the top, there is a navigation bar with the text 'white paper' repeated four times, separated by arrows. Below this is a yellow banner with the author's name 'author: brittany phillips, engineering manager' and the Watlow logo, which includes a stylized 'W' and the text 'WATLOW Powered by Possibility'. The main title of the white paper is 'Tackling Thermal System Complexity: The Promise of ATS™'. Below the title is the 'Adaptive Thermal Systems' logo, which consists of the text 'Adaptive Thermal Systems' and a large 'ATS' logo with a stylized 'A' that has three curved lines above it. A small diamond-shaped icon is centered below the logo. The 'Summary:' section follows, containing four bullet points. At the bottom of the white paper cover is a yellow banner with a large, stylized 'W' logo.

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author:
brittany phillips, engineering manager

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Tackling Thermal System Complexity:
The Promise of **ATS™**

Adaptive
Thermal
Systems

ATS®

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Summary:

- The benefits of precise thermal control also come with an engineering challenge: Keeping the complexity of the system in check while addressing issues of thermal uniformity and system responsiveness.
- **Adaptive Thermal Systems® (ATS™)** is a suite of technologies designed to combine heating, sensing and control technologies to meet this challenge.
- **ATS** technologies can reduce the wiring and space requirements of diverse systems while improving real-time sensing, diagnostics and control.
- Getting started with **ATS** technology is a matter of partnering with Watlow's engineers to discover which technologies can improve current systems and provide ROI.