

Tell us about the rise of Robotics/Automation in emerging economies.

Transcript of a video recorded on January 8, 2018

**Robotics and automation solutions are being adopted by emerging economies eager to boost their productivity while controlling their expenses, says Nick Niziolek, Co-CIO, Head of International and Global Strategies and Senior Co-Portfolio Manager.**

One of the secular themes that we continue to invest behind is the growth that we're seeing in automation and robotics globally.

And what's been really interesting about this theme over the last few years has been how the demand for automation and robotic equipment has been coming from developed markets, as you'd expect, as companies invest in new equipment to be more efficient and do more with less and automate their plants.

But the real driver of demand has been coming from emerging markets, and most specifically China. That's been somewhat of an upside surprise over the last few years, and the reason being is that while we traditionally look at emerging markets as a cheap cost of labor and great manufacturing center, the reality is many of these emerging markets have been developing for many years now. We've seen the wage growth and the developments in their economies, and a lot of the facilities that have been built over the last 20, 30 years are now in areas where wages have increased.

And so companies are having to make a decision of either moving warehousing further inland to take advantage of cheaper labor or moving it out of some of these markets into more frontier-type markets, or to spend on automation and equipment to be able to do more with less, and to be able to become more efficient and take advantage of that labor base that they do have in those markets.

So as we look forward, we see robotics and automation as a continued strong source of secular growth for the portfolios and more and more we're looking towards the emerging markets for both the end user, the demander of that equipment, as well as the suppliers. The supply chain continues to develop and more of these companies begin to innovate and be at the leading edge of this technology as well.



**NICK NIZIOLEK**  
Co-CIO, Head of  
International and  
Global Strategies  
and Senior  
Co-Portfolio  
Manager

[WATCH VIDEO](#)

Video recorded 1/8/18.

Opinions, estimates, forecasts, and statements of financial market trends that are based on current market conditions constitute our judgment and are subject to change without notice. The views and strategies described may not be suitable for all investors. References to specific securities, asset classes and financial markets are for illustrative purposes only and are not intended to be, and should not be interpreted as, recommendations. As a result of political or economic instability in foreign countries, there can be special risks associated with investing in foreign securities, including fluctuations in currency exchange rates, increased price volatility and difficulty obtaining information. In addition, emerging markets may present additional risk due to potential for greater economic and political instability in less developed countries.

**Foreign Securities Risk** — Risks associated with investing in foreign securities include fluctuations in the exchange rates of foreign currencies that may affect the U.S. dollar value of a security, the possibility of substantial price volatility as a result of political and economic instability in the foreign country, less public information about issuers of securities, different securities regulation, different accounting, auditing and financial reporting standards and less liquidity than in U.S. markets. **Emerging Markets Risk** — Emerging market countries may have relatively unstable governments and economies based on only a few industries, which may cause greater instability. The value of emerging market securities will likely be particularly sensitive to changes in the economies of such countries. These countries are also more likely to experience higher levels of inflation, deflation or currency devaluations, which could hurt their economies and securities markets.

CALAMOS<sup>®</sup>  
INVESTMENTS

Calamos Financial Services LLC, Distributor  
2020 Calamos Court | Naperville, IL 60563-2787  
800.582.6959 | [www.calamos.com](http://www.calamos.com) | [caminfo@calamos.com](mailto:caminfo@calamos.com)

© 2018 Calamos Investments LLC. All Rights Reserved.  
Calamos<sup>®</sup> and Calamos Investments<sup>®</sup> are registered trademarks  
of Calamos Investments LLC.  
800977B 0118