

Industrial IoT: Smart Factories and Cities

January 2017
MP117-17

©Copyright Semico Research Corp. 2017. All rights reserved.

Reproduction in whole or part is prohibited without permission of Semico Research

The contents of this report represent the interpretation and analysis of statistics and information that is generally available to the public or released by responsible agencies or individuals, but is not guaranteed as to its accuracy or completeness.

Table of Contents

Table of Contents	3
List of Tables	3
Executive Summary	4
Market Overview	5
SIA Industrial Semiconductor Sales	7
Smart Manufacturing	9
Infrastructure	11
Industrial IoT Issues	13
Security	13
Standards	14
Semiconductor Impact	16
MEMS	18
Semiconductor Design IP	20
Conclusion	22

List of Figures

Figure 1. Semiconductor Revenue by End Use Market	7
Figure 2. Semiconductor Revenue by End Use Market 2006-2016	8
Figure 3. Industrial IoT: Smart Factories	14
Figure 4. Industrial Revenues by Key Products, 2010-2015	16
Figure 5. Industrial Revenues for Key Semiconductor Products 2015-2020	23

List of Tables

Table 1: Industrial Revenues for Key Products (\$M)	17
Table 2: Industrial, MEMS Shipments by Type (Millions of Units)	19
Table 3: Industrial, MEMS Sales by Type (Millions of Dollars)	19
Table 4: IoT Factory Floor ASIC Revenue, Units, ASP	20
Table 5: Industrial Revenue by Key Products, 2015-2020 (\$M)	23