

Independent Auditors' Report

We have audited the consolidated financial statements prepared by AIXTRON SE, Herzogenrath – comprising the consolidated statement of financial position, the consolidated income statement and consolidated statement of other comprehensive income, the consolidated statement of cash flow, the consolidated statement of changes in equity and the notes to the consolidated financial statements – and the group management report for the financial year from January 1 to December 31, 2015. The preparation of the consolidated financial statements and the group management report in accordance with IFRS, as adopted by the European Union (EU), and the additional requirements of German commercial law pursuant to § 315a, paragraph 1, HGB ("German Commercial Code") are the responsibility of the parent Company's management. Our responsibility is to express an opinion on the consolidated financial statements and on the group management report based on our audit.

We conducted our audit of the consolidated financial statements in accordance with § 317 HGB and German generally accepted standards for the audit of financial statements promulgated by the Institut der Wirtschaftsprüfer. Those standards require that we plan and perform the audit such that misstatements materially affecting the presentation of the net assets, financial position and results of operations in the consolidated financial statements in accordance with the applicable financial reporting framework and in the group management report are detected with reasonable assurance. Knowledge of the business activities and the economic and legal environment of the group and expectations as to possible misstatements are taken into account in the determination of audit procedures. The effectiveness of the accounting-related internal control system and the evidence supporting the disclosures in the consolidated financial statements and the group management report are examined primarily on a test basis within the framework of the audit. The audit includes assessing the annual financial statements of those entities included in consolidation principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements and the group management report. We believe that our audit provides a reasonable basis for our opinion.

Our audit has not led to any reservations.

In our opinion, based on the findings of our audit, the consolidated financial statements of AIXTRON SE, Herzogenrath, comply with IFRS, as adopted by the EU and the additional requirements of German commercial law pursuant to § 315a, paragraph 1, HGB and give a true and fair view of the net assets, financial position and results of operations of the group in accordance with these requirements. The group management report is consistent with the consolidated financial statements and as a whole provides a suitable view of the group's position and suitably presents the opportunities and risks of future development.

Düsseldorf, February 22, 2016

Deloitte & Touche GmbH
Wirtschaftsprüfungsgesellschaft

signed Dr. Reichmann
Wirtschaftsprüfer

signed Mißmahl
Wirtschaftsprüfer