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April 2021

**Power Quality Update: Total Protection Solutions Surge Protection for Toyota facility
Cambridge. ON.**

The intent of this memo is to summarize the applications and conclusions relative to the Surge Protection Devices (SPD's) currently installed at Toyota Motor Manufacturing, Cambridge Ontario facility. The justification and reasons for using high performance filtering SPD technology supplied by TPS/Innosys Power are to extend equipment life; reduce electrical maintenance and repair; increase equipment performance and reliability; and dramatically reduce downtime to all protected electrical and electronic equipment.

We were experiencing fluctuations in the power that was affecting our drive areas, causing equipment replacement and downtime which is unacceptable in our environment. We had multiple oscilloscope recordings in the Stamping area, in particular the drive banks and it was evident that there was an abundance of voltage anomalies on the system. We were introduced to Monica Johnston to discuss the various issues. After a site survey of the area, a two-stage surge suppression strategy was recommended.

We installed the SPD units and re-scoped the drive banks to find the sine waves were smooth and consistent.

I am pleased to report that since this installation over 10-years ago, we have had no issues related to our power quality in this area.

The quality, dependability, technical support and their 30-year unconditional warranty has convinced me that the TPS product is second to none and would recommend Total Protection Solutions/Innosys Power for those interested in reducing costly repairs, downtime and increasing peace of mind.

Sincerely,

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