```
1
2   @brief      Mission Statement for upcoming onsite technical presentation
3   @details    In prep, delivered by email to Ross
4   @auth       Justin Reina
5   @rev        5
6   @date       7/19/18
7
8
9   @section    Project Selection
10      Contract work for Ergsense - HW, FW & Design (DTECTS, 2017)
11
12  @section    Mission Statement
13      Description of contract work (Ergsense) where hardware, firmware and design work
        helped stabilize an existing proof-of-concept and move it forward towards product
        release.
14
15  @section    Presentation Contents
16      1 Challenges & Needs      (1)
17      2 Design Procedure        (2)
18      3 Development Methodology (3)
19      4 Overcome Challenges     (1)
20      5 Deliverable & Results   (2)
21      6 Learnings & Growths     (1)
22                      Total (10)
23  @section    Statistics
24      5-6 people
25      60 min minute technical presentation
26      Deep Dive Potential for staff
27
28  @section    Key Points
29      Highlight hardware experience
30      Show direct value to team, by example
31
32
33
34
35  //**********************************************************************//
36  //                          SECTIONS                                    //
37  //**********************************************************************//
38  @section    Challenges & Needs
39      Stabilized Firmware Architecture
40
41
42      Board Revisions
43
44
45      PoC Progression, Arduino towards release
46
47
48      Feature Integration
49
50
51
52  @section    Design Procedure
53      Needs Identification
54
55
56      Firmware Development
57
58
59      Board Development
60
61
62      Contract Completion & Transfer
63
64
65
66
67
```

```
@section    Development Methodology
    Documentation


    Presentation


    Code Syntax


    Development Validation


    PoC Form


    Schematic Examples


    Content Transfer to Ergsense


    Revision Control



@section    Overcome Challenges
    Unmet customer needs


    Work scope identification


    Espressif


    Satisfying ambitious, abstract design needs



@section    Deliverable & Results
    Schematics


    Documentation


    Board Design


    Espressif bare-metal scope


    Roadmap establish


    Procedure Reference


    GitHub
```

@section   Learnings & Growths
    Communication

    Customer Needs Identification

    Risk Identification & Mitigation

    Results Delivery to Ambitious, Scattered Customer