```
SELECT DISTINCT seq.program_id, seq.program_state, data.piece_id, data.material_id, data.material_sub_type, data.steel_grade_id_int, data.width, data.thickness_hsm, data.thickness, data.crosssection, data.weight, data.length, data.pickling_temp_avg, data.pickling_speed_avg, data.pickling_pressure_avg, data.elongation, data.oiling_flag, data.oil_type, data.operation_mode, data.roll_set_id, data.spm_mode, data.yield_point_calc, data.trim_flag, data.trim_width, data.cut_date, data.target_thickness, data.pl_oiling_flag, data.pl_oiling_type, data.pl_oiling_weight_top, data.pl_elongation, data.hot_coiling_temp, data.hrc_tensile_str, data.hrc_yield_point, data.input_thickness, data.input_width, data.input_length, data.target_width, data.target_length
FROM pg seq
LEFT JOIN (
        SELECT pgl.program_id, NVL(TO_CHAR(pgl.material_id),'null') material_id, NVL(TO_CHAR(mat.piece_id),'null') piece_id, NVL(TO_CHAR(mat.material_sub_type),'null') material_sub_type, NVL(TO_CHAR(mat.steel_grade_id_int),'null') steel_grade_id_int, NVL(TO_CHAR(mat.width),'null') width, NVL(TO_CHAR(mat_hot.thickness),'null') thickness_hsm, NVL(TO_CHAR(mat.thickness),'null') thickness, NVL(TO_CHAR(mat.thickness*mat.width),'null') crosssection, NVL(TO_CHAR(mat.weight),'null') weight, NVL(TO_CHAR(mat.length),'null') length, NVL(TO_CHAR(PLTCM.pickling_temp_avg),'null') pickling_temp_avg, NVL(TO_CHAR(PLTCM.pickling_speed_avg),'null') pickling_speed_avg, NVL(TO_CHAR(PLTCM.pickling_pressure_avg),'null') pickling_pressure_avg, NVL(TO_CHAR(tcm.elongation),'null') elongation, NVL(TO_CHAR(tcm.oiling_flag),'null') oiling_flag, NVL(TO_CHAR(tcm.oil_type),'null') oil_type, NVL(TO_CHAR(tcm.operation_mode),'null') operation_mode, NVL(TO_CHAR(tcm.roll_set_id),'null') roll_set_id, NVL(TO_CHAR(tcm.spm_mode),'null') spm_mode, NVL(TO_CHAR(tcm.yield_point_calc),'null') yield_point_calc, NVL(TO_CHAR(tcm.trim_flag),'null') trim_flag, NVL(TO_CHAR(tcm.trim_width),'null') trim_width, NVL(TO_CHAR(tcm.cut_date),'null') cut_date, NVL(TO_CHAR(pdi.target_thickness),'null') target_thickness, NVL(TO_CHAR(pdi.pl_oiling_flag),'null') pl_oiling_flag, NVL(TO_CHAR(pdi.pl_oiling_type),'null') pl_oiling_type, NVL(TO_CHAR(pdi.pl_oiling_weight_top),'null') pl_oiling_weight_top, NVL(TO_CHAR(pdi.pl_elongation),'null') pl_elongation, NVL(TO_CHAR(pdi.hot_coiling_temp),'null') hot_coiling_temp, NVL(TO_CHAR(pdi.hrc_tensile_str),'null') hrc_tensile_str, NVL(TO_CHAR(pdi.hrc_yield_point),'null') hrc_yield_point, NVL(TO_CHAR(pdi.input_thickness),'null') input_thickness, NVL(TO_CHAR(pdi.input_width),'null') input_width, NVL(TO_CHAR(pdi.input_length),'null') input_length, NVL(TO_CHAR(pdi.target_width),'null') target_width, NVL(TO_CHAR(pdi.target_length),'null') target_length
        FROM pdi_pltcm pdi, pgl pgl, r_mat mat, r_mat mat_hot, r_PLTCM_IN PLTCM, r_TCM tcm
        WHERE mat.material_id=tcm.material_id AND mat.material_id=pdi.material_id AND mat_hot.material_id=pgl.material_id AND mat.material_id=pgl.material_id AND mat.material_id=PLTCM.material_id AND mat.material_type LIKE 'CC' AND mat.modification_date=(
                SELECT MAX(modification_date)
                FROM r_mat mat2
                WHERE mat2.material_id=mat.material_id AND mat2.material_type='CC'
        ) AND mat_hot.modification_date=(
                SELECT MAX(modification_date)
                FROM r_mat mat3
                WHERE mat3.material_id=mat.material_id AND mat3.material_type='CH'
        )
) data ON data.program_id=seq.program_id
WHERE seq.production_line_name LIKE 'PLTCM%' AND seq.start_actual>to_date('01.01.2018','DD.MM.YYYY');
```